





AUG 22 1984

# Newsletter

August 22, 1984  
Vol 24 No. 1

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Board of Trustees awards bids for the new chemistry building

Bids totaling more than \$8 million for construction of the new chemistry building were approved by the Board of Trustees Aug. 3.

Under a construction management system, separate bids were awarded for the actual structure and the plumbing, ventilation and electrical work.

Vector Corp. of Walhalla will handle the building shell and interior at a cost of \$3.8 million. A \$3.6 million contract for the plumbing, heating, ventilation and cooling systems went to Cullum Mechanical Contractors Inc. of Charleston. The Trustees also accepted a bid of \$741,852 from Ivester Electric Co. of Greenville to wire the building.

"These contracts total \$8,203,294, which is within the amount budgeted for the project," said Trustee William Geiger of Columbia, chairman of the Board's Budget and Finance Committee.

The triangular building will be next to Sistine Hall. Construction should begin later this month, with occupancy expected by the fall semester of 1986.

The Board also asked the administration to look into restructuring the organization of the Extension Service, in light of the upcoming retirement of Extension director Wayne O'Dell and a number of vacancies throughout the state.

The rest of the Board meeting was devoted to reports, including a midterm update on progress in boosting minority representation on campus.

Frank Mauldin, director of the Office of Human Resources, told the Trustees that total black enrollment rose in 1982 and again in 1983, although the University didn't meet its goals for numbers of blacks entering as freshmen.

"However, it is significant that the number of black students entering Clemson for the first time has increased each year since the state's five-year desegregation plan went into effect in 1981," Mauldin said.

Mauldin also reported success in recruiting black faculty members and administrative staff members and noted that the U.S. Department of Agriculture plans to use the University's affirmative

action hiring plan as a model program for all its Extension Services.

In routine actions the Board:

- authorized the administration to continue operating the University under 1983-84 budget figures until the 1984-85 budget is finalized.

- noted for the record approval by the State Crop Pest Commission, a subset of the Board, of certain revisions to the Witchweed Quarantine.

- approved certain revisions and additions to regulations on seed certification standards and fee structure.

- ratified mail-ballot action naming the facility that houses the soil testing, nematode analysis, and plant problem clinic in honor of Herbert Press Cooper, who was dean of agriculture here from 1936 until 1953. The facility will be

known as the "Herbert Press Cooper Agricultural Services Laboratory."

- confirmed and ratified for the record approval by the Fertilizer Board of Control, a subset of the Trustees, of penalties to be levied against manufacturers of fertilizers based on mislabeling infractions.

- ratified mail-ballot approval for the naming of the "Department of Aquaculture, Fisheries and Wildlife" and the "Department of Entomology."

- ratified mail-ballot approval for the College of Education to provide instructional services for school districts on a flat-rate basis rather than on a tuition-fee basis.

- ratified mail-ballot approval of an amendment to an earlier agreement granting the right of ingress and egress across a narrow strip of University land on Daniel Drive.

- authorized the chairman of the Board to execute an updated version of the gift agreement governing the McQueen Quattlebaum Professorship.

## Provost announces promotions

Provost David Maxwell has announced the promotion of 71 faculty members. They are:

### Agricultural Sciences

Promoted to professor: Lloyd H. Blanton, George E. Carter Jr., Gerald D. Christenbury, Arnold G. Eversole, Dewitt T. Gooden III, Johnny W. Jordon, Graydon C. Kingsland, Landon C. Miller, James S. Rice, E. Joyce Richardson, William H. Ridings, D. Lamar Robinette, and Ronald J. Thurston.

Promoted to associate professor: David W. Cain, Mildred M. Cody, Bruce A. Fortnum, Randall P. Griffin, Paul M. Horton, Stephen R. Mullen, Frederick A. Payne, Emerson R. Shipe, Emily S. Wiggins, and Francis J. Wolak.

### Architecture

Promoted to professor: Clarence L.B. Addison and Richard B. Norman.

### Commerce and Industry

Promoted to professor: Michael J. Drews, R. Lawrence LaForge, Michael T. Maloney, and Gerald L. Waddle.

Promoted to associate professor: John K. Butler Jr., David W. Grigsby, Clarence

D. Rogers, William F. Shugart.

### Education

Promoted to professor: John H. Walker.

Promoted to associate professor: Robert P. Green Jr.

### Engineering

Promoted to professor: James M. Haile.

Promoted to associate professor: Vera B. Anand and Charles H. Gooding.

### Forest and Recreation Resources

Promoted to professor: Robert H. Becker, David C. Guynn, Roy L. Hedden, and Franklin H. Tainter.

Promoted to associate professor: Robert A. Harris, Francis A. McGuire, Brian J. Mihalik, and Thomas M. Williams.

### Liberal Arts

Promoted to professor: Robert W. Hill, G. William Koon and Richard A. Underwood.

Promoted to associate professor: Bernard K. Duffy, Lillian U. Harder, Jere

(Continued on page 2)

(Continued from page 1)

L. Hodgin, Thomas Kuehn, Edwin E. Moise, Ronald H. Nowaczyk, David C. Tillinghast, and William A. Wentworth.

Promoted to assistant professor: Richard E. Goodstein.

#### Nursing

Promoted to associate professor: Elizabeth Baines.

#### Sciences

Promoted to professor: John E. Fairey III, Edward W. Page, A.J. Turner Jr., Raymond Turner, James K. Timmerman.

Promoted to associate professor: James M. Colacino, Kilian Dill, Harold C. Grossman, and Kim Peterson.

#### Library

Promoted to assistant librarian: Eleanor Messman and Margery Sly.

Promoted to visiting assistant librarian: Marsha McCurley.

## Vice President Elam appoints staffers as associate vp's

Two staff members have been promoted to associate vice presidents as part of a new management structure being put in place for the Institutional Advancement area.

George Moore of Alumni Relations and Harry Durham of University Relations received the appointments.

In making the announcement, Don Elam, vice president for Institutional Advancement, said his management team will eventually include three associate vice presidents.

"In restructuring our organization," Elam said, "we have so far used our own staff exclusively. Clemson is extremely fortunate to have people of this professional caliber already on board, but the organizational structure needed to be addressed as we looked toward the future.

"Clemson, like all other institutions, will need increased financial support from both the public and private sectors. As we move toward our centennial year, we need to make sure we have the kind of staff support framework in place to allow us to raise the kind of money we're going to need."

Moore, a 1958 Clemson graduate with 25 years of service in the University's alumni, public relations and development programs, becomes associate vice president for Institutional Advancement and will act as the area's chief administrator when Elam is away from campus.

Moore also retains his title and responsibilities as executive officer for Alumni Relations and Resources Develop-

ment. Since he assumed that post in 1977, alumni and friends of Clemson have given more than \$12 million to the Loyalty Fund program, which in 1980 received the Council for Advancement and Support of Education's U.S. Steel Foundation Award as the nation's best annual giving incentive program at a public institution. In 1983 The Clemson World, edited by John Mann, was selected by CASE as one of the 10 best alumni magazines in the country.

Durham's promotion is to associate vice president for University Relations. He continues to be responsible for the areas of news services, publications and graphics, agricultural communications, electronic and photographic services, visitors programs, including the new Visitors Center, and special projects/marketing programs.

Durham is a 1954 Auburn graduate with a master's degree in communications from the University of North Carolina. He joined Clemson in 1966 as head of the University TV Center and two years later became director of the Communications Center. He became executive director for University Relations in 1980.

Among the awards received by the University Relations area are the 1979 Newsweek/CASE Grand Award for Excellence in News Writing and the 1980 CASE Grand Award for Special Public Relations Programs, which Clemson won for the "Bill Atchley Wants to Meet You" project.

The third associate vice president, to be named later, will direct the University's development programs.

#### Other changes

Elam's reorganization also includes these other changes in the alumni services and fund-raising areas:

- H.B. "Betts" Wilson is now executive assistant to the vice president for Institutional Advancement. Wilson, who has 38 years of service at Clemson in various teaching, recruiting and administrative positions, was executive assistant in Alumni Relations.

- Marie Staedeli, formerly staff assistant in the Development Office, has become Elam's administrative assistant.

- Rachel Scott of the Alumni Relations staff has taken on new responsibilities as an administrative assistant to

Moore in Institutional Advancement.

- Jeff McNeill has been promoted to assistant vice president for development, and Mark Eisengrein, who was alumni field representative, has succeeded McNeill and now heads the alumni programs unit within Alumni Relations.

- Caroline Busch, fiduciary officer in the Development Office, is now director of administrative services. That unit reports through the executive officer for Alumni Relations and provides computer and record-keeping support for all Institutional Advancement programs.

- Robert Christenberry, who was director of deferred giving, now heads major and planned giving.

- Paula Peckham, who was the Development Office's public information specialist, is now gift club coordinator.

- Don Fowler, formerly director of annual giving in the Alumni Office, has become director of development.

## Johnstone family presents portrait to the University

As the usual assortment of Trustees, administrators and reporters gathered for the Board of Trustees meeting Aug. 3, about two dozen visitors filled the busy board room in Sikes Hall to make a special presentation to their university.

And from their words, their expressions of pride in Clemson and their gift, it was clear that these people very much belonged in this chamber where the University's history and future are made.

"My grandfather was a quiet but forceful man," said Thomas K. Johnstone Jr., referring to Alan Johnstone, one of Clemson's original six elected Trustees.

"And he had two great and consuming loves: his family and this university."

Thomas Johnstone was followed by his brother Alan McC. Johnstone, who officially presented a portrait of their grandfather to President Bill Atchley, who accepted on behalf of the University.

A third grandson, Ellerbe P. Johnstone, unveiled the portrait, which will hang just outside the board room door.



The Clemson University Newsletter is published for Sharon Miller, an assistant professor of biology, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

All three grandsons are Clemson alumni: Alan McC., 1932; Thomas, 1936; Ellerbe, 1939.

Alan Johnstone was on the Board of Trustees for 27 years, during the last 21 and a half of which he served as board president. He was elected to the Board in 1890 and became a Life Trustee in 1905.

A leading South Carolinian of his day, he served in the state House of Representatives from 1906 to 1908 and in the state Senate from 1908 to 1928.

Board Chairman James Waddell presided at the ceremony and said the presentation had "particular significance to this Board of Trustees."

President Atchley thanked the family and said: "All of us owe a great debt of gratitude to such men as your grandfather. He served this institution in a highly exceptional manner for many years, and he gave so much of himself to it."



**Portrait of a president** -- Left to right, brothers Thomas, Ellerbe and Alan McC. Johnstone present a portrait of their grandfather, Alan Johnstone, who was president of the Board of Trustees from 1907 to 1929, to University President Bill Atchley.

## Tickets for Union's Crystal Gayle show go on sale Monday

Tickets for this fall's Crystal Gayle concert here will go on sale next Monday, Aug. 27, according to Mike Arnold, the Union's assistant program director.

Gayle and country music band Exile will perform in Littlejohn Coliseum Oct. 2.

Tickets for the 8 p.m. show will be \$10 and \$13 each and will be available at the Union box office and all usual Union ticket outlets, including The Music Maker in Easley and Duffy's Western Shop in Seneca.

The Union will begin selling tickets on Sept. 3 for comedian Bill Cosby's Oct. 1 Homecoming performance in Littlejohn.

Tickets for the Cosby show, co-sponsored by the Union and the Alumni Association, will be \$8, \$10 and \$12 each.

Call the Union at 656-2461 for more information.

## Nominations for '85 Rhodes Scholarships due by Sept. 15

Know an academic colossus -- someone who might be worthy of a 1985 Rhodes Scholarship?

If so, you should submit his or her name to honors program director Jack Stevenson, chairman of the Scholarships and Awards Committee, by Sept.

To be eligible for a Rhodes Scholarship, a person must be an unmarried S. citizen who is -- or will be by Oct.

24 -- between 18 and 23 years old, inclusive, and who has achieved academic standing sufficiently advanced to assure completion of a bachelor's degree before Oct. 1, 1985.

Selection of Rhodes Scholars is based on academic promise and accomplishment, personal integrity, moral force of character, leadership ability, and physical vigor.

A Rhodes Scholarship provides direct payment to the recipient's chosen college for all approved fees and a living allowance paid directly to the recipient.

For more details, call Stevenson at 656-4762.

## Researchers discuss new uses for wood at symposium here

If you look closely at a tree -- way beyond the bark all the way down to the molecules -- you'll find a source of liquid fuel and a base for thousands of chemicals or fibers.

People who look at trees that way are a new breed of researchers called wood chemists, and the world's best gathered here last week for an international applied wood chemistry symposium.

Scientists from China, Japan, South America and all parts of the United States offered practical suggestions, based on their research, on how to get more out of the abundant, renewable natural resource.

The two-day symposium, sponsored by the College of Forest and Recreation Resources, covered a wide range of topics that have far-reaching implications for the state's three largest industries.

"The textiles, chemicals and forestry

industries in South Carolina all have a stake in the type of research we're doing," says David N.S. Hon, wood chemist and symposium organizer.

"Chemicals from wood can provide many of the raw materials for fiber and chemicals that are now based on petroleum and natural gas, which in turn creates new markets for forest products."

Fiber, plastic, adhesives, coatings, and as many as 3,000 chemicals can be derived from cellulose, lignin and other wood components that are usually discarded or burned, Hon says.

Ongoing research was also presented at the symposium, including a joint project involving Clemson and experts from Kyoto University in Japan. The project, funded by the National Science Foundation, is aimed at finding practical uses for low quality wood, wood residue and wood waste.

"About 350 million tons of wood residue and 150 million tons of sawdust are created in the United States every year," Hon says.

"Most of it is just sitting around, going to waste. Through wood chemistry, we may be able to start using it in products that are now made from petroleum-based chemicals."

The researchers collect and chemically modify the residue to make it meltable. The liquid "wood" can then be poured into molds, turning what is now a waste material into furniture or other household items and engineering materials.

"The cost is competitive with plastic, but it's not quite as strong," Hon says. "Our research is aimed at improving the strength of the finished product through chemical modifications."

## New C-Text system puts campus news at your fingertips

If you can't quite put your finger on the latest campus news and calendar information, you ought to stop by the "C-Text" terminal nearest you for help.

There at your finger tips you'll find what's happening on campus today and what's coming up in the weeks ahead, current headlines in University news and sports, the latest weather summaries, classified and student job listings, a Clemson trivia quiz, and a wide assortment of other information -- from the Visitors Center's hours of operation to the names of more than 200 student organizations.

C-Text, a Computer Center research project, makes use of a computerized communications technology called videotex. Through this system, University news and information are displayed on the screens of TV-like monitors in Harcombe Dining Hall, the loggia, the Ag Sales Center, the P&A Building lobby, and the Computer Center lobby.

You select the item you want to know more about from a list -- or "menu" -- displayed on the screen. Next to each monitor is a keypad, and you make your selection by pushing the key that corresponds to the number of the item you want to investigate.

University Relations, through its publications and graphics services depart-

ment, is working with the Computer Center by developing formats and procedures for and providing the news and information displayed through C-Text.

If you've got news or other information you'd like to see on C-Text, call the publications and graphics services department at 656-2467.

## Fellowships provide chance to work with top officials

The President's Commission on White House Fellowships is now accepting applications for 1985-86 White House Fellowships.

The White House Fellowship Program, now in its 19th year, is designed to provide gifted and highly motivated U.S. citizens with firsthand experience in the process of governing the nation and a sense of personal involvement in the leadership of society.

Citizens are eligible to apply during the early and formative years of their careers. There are no basic educational requirements and no special career or professional categories.

Federal government employees are not eligible, except for career military personnel.

The commission seeks candidates of demonstrated excellence in their professional roles and with a significant breadth of interests and community involvement.

During their one-year assignments in

Washington, D.C., Fellows serve as special assistants to cabinet secretaries or senior members of the White House staff. Also, Fellows participate in an extensive educational program, including seminars with top government officials, leading scholars, journalists, and private-sector leaders.

For application forms and more details, contact the President's Commission on White House Fellowships, 712 Jackson Place, N.W., Washington, D.C. 20503; 202/395-4522.

Applications must be postmarked no later than Dec. 1.

## Parking lot closes for construction behind Sirrine Hall

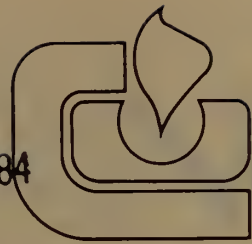
The parking lot behind Sirrine Hall -- along Fernow Street and up to the Sirrine loading dock -- closed last week for construction of the new chemistry building.

To offset the loss of parking there, 30 to 40 employee parking spaces were added during the summer to the lot west of Sirrine (south of the Shoeboxes) and 45 spaces in the commuter lot south of Lee Hall were converted to employee spaces.

Jerry Boyer, Physical Plant superintendent of planning and engineering, says the hope is that employees in Lee will use the 45 news spaces behind Lee and leave the lot west of Sirrine for employees in Riggs and Sirrine.



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# Events

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

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*This calendar is prepared up to a month in advance.  
Please send in writing to the Department of Publications and Graphics  
Services, 103 Fike, any campus event that should be listed. You  
may also want to call 656-2467 to check the Internal Communications'  
master calendar for possible scheduling conflicts.*

**Aug. 25-31**

- 25 Six Flags Trip. Sponsored by University Union, 8 a.m.-10 p.m., \$19.75. Sign up at Union Information Desk. Call 656-2461 for more information.
- 25 Visitation Day. Prospective minority students will visit campus and participate in day of planned activities. Sponsored by Undergraduate Admissions. Call 656-2287 for more information.
- 26 Free Flick: "Batman." Sponsored by University Union, Y Theater, 8 p.m. Free with University I.D.
- 27 Carolina Journal: Ibrahim M. Ibrahim, University soccer coach, talks about soccer. Sponsored by University Relations, S.C. ETV Channel 29, 7:30 p.m. Call 656-2061 for more information.
- 27 Tickets go on sale for Crystal Gayle's Oct. 12 concert here. Tickets available at Union Box Office, Monday-Friday, noon-5 p.m. Call 656-2461 for more information.
- 27-9/1 Film Festival: "Star Wars" and "The Empire Strikes Back." "Star Wars," 27-29; "The Empire Strikes Back," 30-9/1. Sponsored by University Union, Y Theater, 7 and 9:15 p.m., \$1 with University I.D. Call 656-2461 for more information.
- 27-9/7 Room change applications accepted, 200 Mell Hall, 7:30 a.m.
- 29 Ping Pong Tournament: Single elimination; cash prizes. Sponsored by University Union, Union Gameroom, 7:30-10:30 p.m., \$1 entry fee. Call 656-2461 for more information.
- 30 Pecan Field Day. Sponsored by horticulture department and Sandhill Experiment Station, Pontiac. Open to public. Free. Call 656-3403 for more information.

# THE HISTORY OF THE

ROYAL SOCIETY OF LONDON

From its first Institution in the Year 1660, to the Present Time.

By JOHN WALLIS, Secretary of the Society.

LONDON, Printed by J. Sturges, at the Theatre-French, in Pall-mall, 1752.



AUG 30 1984

# Newsletter

August 29, 1984  
Vol 24 No 2

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY



Hite



Ulbrich



Whitehurst

## Three faculty members become Thurmond Institute Fellows

Three faculty members have been named senior fellows of the Strom Thurmond Institute of Government and Public Affairs.

In that capacity, the three will chair study groups and advise the Thurmond Institute on research and public programs.

James C. Hite will chair the state and local government study group, Holley Ulbrich the volunteerism and civic participation group, and Clinton Whitehurst the defense studies group.

Hite, an Alumni Professor of Agricultural Economics, joined the faculty here in 1967. He earned his B.S. and Ph.D. degrees here and his M.A. from Emory University.

He has done post-doctoral work at Harvard University and has written several books, including "The Economics of Environmental Quality" and "Coastal Zone Resource Management."

Hite has served as a senior economist for the U.S. Department of Commerce and as a coordinator for a legislative committee on alternate sources of revenue for local governments.

Ulbrich, a professor of economics, joined the faculty here as an instructor in 1967. Her specialties are taxation and public finance, consumer issues, international trade and macro-economics.

She has written numerous articles for professional journals and newspapers and has published a textbook, "International Trade and Finance."

She earned her B.A., M.A. and Ph.D.

degrees in economics from the University of Connecticut.

For Whitehurst, a professor of industrial management, the appointment caps nearly 25 years of teaching, writing and research for state, federal and private organizations.

He is a consultant to the General Accounting Office on transportation readiness and an adjunct scholar for the American Enterprise Institute for Public Policy Research.

A well-known columnist whose articles on defense topics have appeared in 36 Southeastern newspapers, Whitehurst has just published a book entitled "The U.S. Merchant Marine: In Search of an Enduring National Policy."

"We're very pleased to have this kind of commitment from these three faculty members," Horace Fleming, Institute director, said.

"These appointments set in motion our plans for programs and research for the upcoming year."

The Strom Thurmond Institute, part of the planned Strom Thurmond Center for Excellence in Government and Public Service, plays an active role in bringing speakers and programs on major issues to the campus.

Recent Institute-sponsored programs include a conference on volunteerism Aug. 20 and a public address Aug. 27 by U.S. Sen. Jennings Randolph of West Virginia, the legislator who wrote the constitutional amendment lowering the national voting age to 18.

## University's program in building science gets accreditation

The University's building science program has been accredited by one of the nation's foremost building education organizations, becoming one of 16 in the country to win approval.

The accreditation of the College of Architecture's building science and management program by the American Council for Construction Education means the college is recognized "as one of the leaders in construction education," said Ralph Knowland, head of the program.

"This is very important for our alumni and our students because many employers insist that their job applicants be from a school accredited by the ACCE," Knowland said.

The program was established in 1963 to train students for management positions in construction. Since that time, nearly 400 students have earned B.S. degrees.

The ACCE comprises professionals and educators in the construction field.

## State establishes semiconductor study center here

A Center for Semiconductor Device Reliability has been established here by the state Commission on Higher Education, recognizing the University's growing emphasis on microcomputer technology.

The center evolved out of the University's work on a national research project aimed at improving very large scale integrated (VLSI) circuits -- tiny computer chips that contain the equivalent of a million transistors and are at the heart of an international race to build the next generation of computers.

Semiconductor Research Corp., a group of microelectronics giants backing the project, announced in February that Clemson would be the national headquarters for research on the reliability of VLSI circuits.

Since then, the University has been equipping a laboratory where researchers will try to determine what makes the devices fail, and how flaws can be

(Continued on page 2.)

(Continued from page 1.)  
eliminated.

"By establishing a center, the state of South Carolina has authorized the University's science and engineering programs to make semiconductor reliability research a major thrust," says Wayne Bennett, electrical and computer engineering department head.



Taylor

## SBDC branch office at Lander College gets administrator

State Sen. David Taylor has taken the helm of the University's new Small Business Development Center satellite office at Lander College.

Temporary facilities for the office are being set up now, and permanent quarters will be ready by November, says Pat Cunningham, the center's director.

As head of the Lander SBDC, Taylor will oversee the consultation services and seminar program for the center as it reaches out to help small businesses in the Greenwood area.

"Since Greenwood is a growing area in the upstate," says Cunningham, "we feel that a satellite will contribute to the positive growth of the business community."

Taylor, 57, is a U.S. Navy veteran of World War II who has served 20 years in the General Assembly. For the last 12 of those years, he has represented Greenville and Laurens counties in the Senate. He will continue his senatorial duties until a successor is named.

"We are happy that Sen. Taylor decided to join us," says Cunningham. "His background, together with his knowledge of the people in Laurens County and that area will be a big plus for us."

The Frank L. Roddey Small Business Development Center of South Carolina was created in 1978 to assist the formation, survival and expansion of small businesses throughout the state, with four regional centers providing service.

One of those centers is the Basic Service Center here, which serves the northern part of the state.

The other regional centers are at Winthrop College (serving the eastern part of the state), the University of South Carolina (serving the southern

part of the state), and South Carolina State (serving all minority businesses in the state).

The Lander satellite of the Clemson Service Center will serve the counties of Laurens, Edgefield, McCormick, Saluda, Abbeville, Greenwood and Newberry.

## Tickets for Union's Bill Cosby show go on sale Monday

The University Union will begin selling tickets this Monday, Sept. 3, for comedian Bill Cosby's Oct. 20 Homecoming performance in Littlejohn Coliseum.

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Tickets, at \$10 and \$13 each, are already available at those locations for the Union's Crystal Gayle concert.

Gayle and country music band Exile will perform in Littlejohn at 8 p.m. on Oct. 12.

Call the Union at 656-2461 for more information.



Cosby



The Clemson University Newsletter is published for Rose Mary Blankin, a clerk at the laundry, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

## Pick up the phone and give'em a call for calendar news

A new service of the University Visitors Center, which opened this summer in 103 Tillman Hall, will make it easier for you to stay on top of campus events this fall.

The service, called "656-INFO," is a telephone information line. Dial 656-INFO and you'll hear a list of campus events planned for the next few days.

"We have a recorded message of 30 seconds to three minutes," says Janis Moore, manager of the Visitors Center.

"We try to choose three or four main events to announce. These include entertainment, lectures, demonstrations, and so forth," Moore says.

656-INFO's recorded message is updated daily. The service is staffed by selected students and Visitors Center volunteers.

"We want to provide the general public and the campus community with up-to-date information about events on campus," Moore says. "And we think this information number will help the people on campus and in Anderson, Greenville, and all surrounding areas to know what's going on here at the University."

## News, information await your touch in C-Tex terminals

The latest University news, weather and sports are at your fingertips -- if, that is, you're standing in front of the C-Tex terminal nearest you.

There, ready to appear at your command, are announcements of what's happening on campus today and what's coming up in the weeks ahead, current headlines in University news and sports, the latest weather summaries, classified and student job listings, a Clemson trivia quiz, and a wide assortment of other information -- from the Visitors Center's hours of operation to the names of more than 200 student organizations.

C-Tex, a Computer Center research project, makes use of a computerized

communications technology called videotex. Through this system, University news and information are displayed on the screens of TV-like monitors in Harcombe Dining Hall, the loggia, the Ag Sales Center, the P&A Building lobby, and the Computer Center lobby.

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If you've got news or other information you'd like to see on C-Tex, call the publications and graphics services department at 656-2467.

## Returned-check fee applies to checks from faculty/staff

The President's Cabinet Aug. 6 adopted a new policy requiring employees to pay a \$10-per-check service charge on any returned checks they write to the University.

This applies to faculty and staff members the University returned-check policy already in effect for students, says Tom Harbin, assistant vice president for financial management.

Collection of an employee's returned check and the service charge will be handled by the Bursar's Office in conjunction with the office that initially receives the check, Harbin says.

If you have any questions about the returned-check policy, call Harbin or Ralph Kessler at 656-2470.

## Atchley announces new appointments to Athletic Council

President Bill Atchley has announced this year's faculty appointments to the Athletic Council. They are John Geldard (Sciences), Carolyn Briscoe (Education), Charles Hester (Engineering), and James Turner (Commerce and Industry).

The appointees were selected from among nominees submitted to the president by the respective collegiate faculties.

To put the Council's appointed faculty membership on a staggered, three-year rotation, Atchley appointed Geldard to serve until 1986. The other three appointees will serve until 1987.

Faculty members continuing to serve

on the Council are Herbert Brantley (Forest and Recreation Resources), Steve Wainscott (Liberal Arts), and Hugh Webb (Architecture), whose terms will expire next year; and Gail Kiser-Brown (Nursing) and Sam Turnipseed (Agricultural Sciences), whose terms will expire along with Geldard's in 1986.

Ex-officio members of the Athletic Council for 1984-85 are:

-- B.J. Skelton, dean of admissions and registration;

-- David Senn, president of the Faculty Senate;

-- Stassen Thompson, a former president of the Faculty Senate, who is filling in for the Senate's immediate past president, Holley Ulbrich, who is on leave;

-- Jack Stevenson, chairman of the Scholarships and Awards Committee;

-- Leonard Butler, president of the Alumni Association;

-- Rusty Donkle, immediate past president of the Alumni Association;

-- Bill Reaves, president of IPTAY;

-- John Timmerman, immediate past president of IPTAY;

-- John Murden, chairman of the Graduate Student Association;

-- Mark Wilson, president of the student body;

-- Ray Workman, president of the Student Senate;

-- Alan Wertz, president of the Block "C" Club.

## Informed listeners an important part of emergency plans

Perhaps the best emergency plans are those that never have to be used, yet it's reassuring to know that such plans exist.

Because part of the campus lies within a 10-mile radius of Duke Power Co.'s Oconee Nuclear Station (the station's protective action zone), Duke annually sends to all University students, department heads, deans and directors an updated emergency plan booklet with instructions on what to do in the event of an emergency at the station.

Debbie Dubose, director of the Keowee-Toxaway Visitors Center at the Oconee station, says the 1984 edition, sent out over the summer, has a different format that more clearly explains the local emergency plan.

The tabbed-index booklet gives information about sources of radiation (both natural and manufactured) that the human body is subject to; how much radiation the body can withstand without harmful effects; emergency and evacuation procedures to be followed in the event of a problem at the Oconee station; and protective action zone maps and charts that show evacuation routes

and reception centers.

If a problem should happen at the Oconee Station, says Dubose, sirens around the plant would sound. "It would be a steady, three-minute alert. In the Clemson University area, people outside buildings could hear the sirens, but those inside probably would not."

The method of "spreading the word" of a possible emergency to University employees and students would be determined by University officials, says DuBose.

One of those officials, acting public safety director Jim Brummitt, says that spreading the word would, most likely, involve a number of different methods.

"I don't think we could depend on any one particular thing," he says, "but basically we would use the siren located here at the police department and our PA systems in the cars." Telephones would also be used, he says.

"If we were ever in a situation that required evacuation, whether it was a nuclear station emergency or whether it was some other emergency, such as hazardous weather," says Brummitt, "all employees and students would be registered before they leave campus."

Employees and off-campus students who have transportation would be registered at the fire station at the intersection of McMillan and Perimeter roads. Students who live on campus would be registered in their dormitories.

After registration, says Brummitt, you would be instructed to go to the Donaldson Center in Greenville or to a location of your own choosing outside the affected area.

However, a siren alert from the Oconee station does not automatically mean that evacuation is necessary.

Since the sirens could be used to alert the surrounding public to hazardous weather conditions and other emergencies in the area, it's important to distinguish between the "sound" of a possible nuclear station emergency and another emergency.

"The sirens for a problem at the nuclear station have one steady, continuous tone," says DuBose, "but the other emergencies are signaled by a series of interrupted blasts."

In the event that you hear either type of siren, the procedure, she says, is the same: turn on your radio and listen for information and instructions. You might be told to stay indoors, or you might be told to evacuate.

Emergency preparedness officials suggest that you learn the four classifications that would be used to describe a nuclear plant emergency.

An "unusual event," the least serious of the four warning classifications, means there is a problem at the station

(Continued on page 4.)

(Continued from page 3.)

that is being handled by plant workers. No release of radiation would be expected, and you would not have to do anything in this case.

An "alert" is an event that could affect plant safety. Although there is no danger to the public, county and state officials would begin getting emergency operation centers ready in case the situation should worsen.

The third classification, a "site area emergency," is an event that could possibly affect the public. The sirens are sounded to alert you to listen to the emergency broadcast stations for information.

A "general emergency" is the most serious of the classifications. In this event, state and federal authorities would take action to protect the public and station workers, and emergency broadcast stations would continue to give information and instructions.

The emergency classifications and plans, designed by local preparedness officials in Pickens and Oconee counties, are approved by the state, and, in turn, by the Federal Emergency Management Agency and the Nuclear Regulatory Commission, says Dubose.

#### Hazardous weather conditions

The spring thunderstorms that uprooted trees and damaged several automobiles around campus earlier this year are a reminder that emergencies resulting from hazardous weather conditions are also possible in Clemson.

Walt Berry, University safety coordinator, sends out in the spring of each year information on precautions and actions to take should weather conditions, especially tornados, pose a threat to your safety. Berry says he sends this information to department heads and the Office of Student Affairs and posts it on bulletin boards around campus.

"With hazardous weather conditions -- especially a tornado -- we're not so much concerned with evacuation but with taking precautions to lessen the chances of injury," says Berry.

If you would like more information on procedures to follow in emergency situations, call Berry at 656-2426 or Brummitt at 656-2222.

## Departmental Notes

Announcements of professional accomplishments of faculty and staff members appear in the last Newsletter of each month

#### ACCOUNTING

A.C. Drews (Assoc Prof) was elected director of community responsibility for the Anderson area chapter of the National Association of Accountants for 1984-85 and was elected chapter delegate to

the NAA Carolinas Council.

#### AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

G.M. Clary (Asst Prof) participated in the Chicago Board of Trade Summer Intern Program sponsored by the board's Commodities Institute in Chicago, Ill., June 18-22.

M.J. Ellerbrock (Former Grad Asst), J.C. Hite (Alumni Prof), and G.J. Wells (Assoc Prof) published "Competition and Lodging Room Rates" in the *International Journal of Hospitality Management*, 3(1):11-18 (March 1984).

B.H. Robinson (Prof and Dept Hd) presented a paper, "Politics of Food," at a World Futures Society meeting, June 11, in Washington, D.C.

#### BIOLOGY

D.R. Helms (Prog Dir) and S.B. Miller (Assoc Prof) attended the annual meeting of American Biology Laboratory Education (ABLE) June 11-15 at Memorial University in St. Johns, Newfoundland, where Dr. Helms, who is vice president of ABLE, presented a workshop, "Simple Enzyme Experiments."

Prof. Miller completed requirements for becoming a Project WILD Workshop leader during a training workshop, sponsored by the S.C. Wildlife and Marine Resources Department, June 29-July 1 at Camp Long near Aiken.

D.J. Stroup (Asst Prof) attended the Alverno College national networking conference on critical thinking June 10-15, in Milwaukee, Wis.

#### CHEMICAL ENGINEERING

J.M. Haile (Assoc Prof) and J.P. O'Connell (Prof, Univ of Fla) presented a paper, "Determination of the Internal Structure of Surfactant Micelles via Computer Simulation," at the 58th Symposium of Colloid and Surface Science June 13 at Carnegie-Mellon University in Pittsburgh, Pa.

Prof. Haile and J. Fischer (Institut für Thermo- und Fluidodynamik, Ruhr Universität, Bochum, West Germany) have received a NATO grant for 226,000 Belgium francs (about \$4,000) for their proposal, "Molecular Theories for Fluid Mixtures and Fluid Interfaces."

R.W. Rice (Asst Prof) and R.S. Hahn (Former Grad Stu) published "Deactivation of Nonuniform Nickel/Alumina Methanation Catalysts" in *Industrial and Engineering Chemistry, Product Research and Development*, June 1984.

#### CHEMISTRY

D.D. DesMarteau (Prof and Hd), W.Y. Lam (Industry), B.A. O'Brien (Vstg Inst), and S.-C. Chang (Industry) published a paper, "Novel Ammonium Hexafluoroarsenate Salts From Reaction of  $(CF_3)_2NH$ ,  $CF_3N(OCF_3)H$ ,  $CF_3N[OCF(CF_3)]_2H$ ,  $CF_3NH$  and  $SF_5NH$  with the Strong

Acid  $HF/AsF_5$ ," in the *Journal of Fluorine Chemistry*, 25 (1984) 387-394.

K. Dill (Asst Prof), R.E. Hardy (Grad Stu), R.L. Batstone-Cunningham (Former Vstg Instr), M.E. Daman (Grad Stu), A.A. Pavia (Prof, Centre Universitaire d'Avignon, France), and B. Ferrari (Res Assoc, CUA) have published " $^{13}C$ -NMR Spectral Study of the pH Behavior of Reductively [ $^{13}C$ ]Methylated, Glycophorin A Glyco-Octapeptides and a Related Glycopentapeptide," in *Carbohydrate Research* 128 (1984) 183-191.

J.W. Huffman (Prof) received a \$68,476 grant from the National Institute on Drug Abuse for "Practical Synthesis of 9-Carboxy-THC."

J.D. Petersen (Assoc Prof and Assoc Dean Sci) presented a talk, "Intramolecular Energy Transfer Reactions as a Method for Metal Complex Assisted Production of Hydrogen," at the eighth Department of Energy Solar Photochemistry Research Conference in Lake Geneva, Wis.

A.R. Pinder (Calhoun Prof) published "Pyrrolidine, Piperidine, and Pyridine Alkaloids" in *Natural Product Reports*, 1, 225 (1984).

Prof. Pinder and A.T. McPhail (Prof., Duke Univ) published "Structure and Synthesis of Physoperuvine," in *Tetrahedron*, 40, 1661 (1984).

T.G. Tisue (Assoc Prof) presented a seminar, "Effect of Atmospheric Inputs on the Seasonal Cycle of Zn in Lake Michigan" at the School of Earth Sciences at The Australian National University in Canberra, Australia, July 12.

Prof. Tisue also presented a seminar, "Cd in the Environment: Cd-113m as a Biogeochemical Tracer," at the School of Physics and Geosciences at the Western Australian Institute of Technology in Perth, Australia, July 4.

#### CIVIL ENGINEERING

S.C. Anand (Prof) and A. Pandit (Asst Prof, Fla Inst of Tech; Former Grad Stu) co-authored a paper, "Groundwater Flow and Mass Transport by Finite Elements -- a Parametric Study," that has been published in the Proceedings of the 5th International Conference on Finite Elements in Water Resources held June 18-22 at the University of Vermont in Burlington.

Profs. Anand and Pandit co-authored "A Two-Dimensional Finite Element Model for Transient and Coupled Solutions of Groundwater Flow and Mass Transport Equations," which was presented at the International Conference on Numerical Methods for Transient and Coupled Problems in Venice, Italy, July 9-13.

#### COMPUTER SCIENCE

R.M. Geist III (Assoc Prof) published "How to Live to Be 100" in *The College Mathematics Journal*, June 15, 1984.

**DAIRY SCIENCE**

J.R. Bishop (Former Res Technol), A.B. Bodine (Assoc Prof), G.D. O'Dell (Prof) and J.J. Janzen (Prof Emeriti) published "Retention Data for Antibiotics Commonly Used for Bovine Infections" in the *Journal of Dairy Science*, Vol. 67, 437-440 (1984).

Prof. Bodine was appointed reviewer for the Physiology/Cellular, Molecular Biology division of the National Science Foundation.

Prof. Bodine, S.F. Fisher (Former Grad Asst) and S. Gangjee (Grad Asst) published "Effect of Aflatoxin B<sub>1</sub> and Major Metabolites on Phytohemagglutinin-Stimulated Lymphoblastogenesis of Bovine Lymphocytes" in the *Journal of Dairy Science*, Vol. 67, 110-114 (1984).

Prof. Bodine, C.A. Luer (Biochemist, Mote Marine, Sarasota, FL) and S. Gangjee published "Determination of ceruloplasmin and other copper transport ligands in the blood sera of the nurse shark and the clearnose skate" in *Comp Biochem Physiol, Part B*, Vol. 77, 779 (1984).

J.F. Dickey (Prof) was elected to a 3-year term on the Program Committee for the Physiology Division of the American Dairy Science Association at the annual meeting held at Texas A&M University, June 23-26.

J.H. Martin (Prof and Hd) will serve as chairman of the Nominating Committee for 1984-85 for the Southern Division of the American Dairy Science Association.

F.E. Pardue (Prof) presented "Harvesting Forages - The Compromise Between Quality and Quantity" at the 1984 South Carolina Forage Field Day held in Greenville County.

**ECONOMICS**

T.B. Yandle (Alum Prof) has published several articles:

-- "Economic Agents and the Level of Pollution Control," *Public Choice*, Vol. 40, No. 1, 1983, 105-109.

-- "Bootleggers and Baptists: The Education of a Regulatory Economist," *Regulation*, May/June 1983, 12-16.

-- "Conflicting Commons: Reply Comments," *Public Choice*, Vol. 41, No. 8, 1983, 333-335.

-- "Resource economics: A Property Rights Perspective," *Journal of Energy Law and Policy*, Vol. 5, No. 1, 1983, 1-19.

-- A Review of Robert Andelson, *Critics of Henry George*, *American Journal of Economics and Sociology*, Vol. 43, No. 1, Jan. 1984, 125-127.

-- "Polluters' Profits: An Empirical Note," *Journal of Industrial Economics*, Vol. 32, No. 3, March 1984, 359-366.

**ELEMENTARY AND SECONDARY EDUCATION**

B.M. Raetsch (Assoc Prof) was a member of the ETS Knowledge Estimation Panel for the Reading section of the NTE in Columbia, March 23.

Prof. Raetsch and F.C. Raetsch (Assoc Prof) presented an invited paper, "Raising Student Performance in Reading on CTBS and BSAP," at the Leadership Institute, Myrtle Beach, June 18.

Prof. Raetsch also coordinated the District VII Leadership Conference for Officers of Phi Delta Kappa, national honor education society, at Clemson University, June 8-9. She will serve as President of Clemson's chapter for the 1984-85 year.

**ENGINEERING**

J.C. Jennett (Dean) presented a paper, "Algal Interaction with Heavy Metals in the Environment," at the International Conference on Environmental Contamination at the Imperial College, London, England, July 10-13. Co-authors of the paper are J.C. Jennett (Dean), A.R. Abernathy (Prof), J. Hassett (State University of New York--Syracuse), J.F. Sloan (Grad Stu).

Also at that conference, Prof. Jennett chaired the session on Trace Contaminants and co-chaired the session on Land Management.

Prof. Jennett attended a meeting of the advisory board of *Minerals and the Environment* in London, July 9-10. The meeting resulted in a change of the orientation of the journal to the Society of Environmental Geochemistry and Health.

**ENGINEERING TECHNOLOGY**

V.B. Anand (Asst Prof) presented a paper, "Introduction of Computer-Aided Graphics to An Engineering Technology Program" at the annual conference of the ASEE in Salt Lake City, Utah, June 27.

**ENGLISH**

S.K. Eisiminger (Assoc Prof) published "Homographic Antonyms Briefly Treated" in *The Sesquipedalian*, Summer 1984.

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## \$500,000 in federal grants backs atom-shuffling research

Changing a single atom in a chemical compound can create such modern marvels as Teflon and Scotchgard, transform a toxic substance into a safe anesthetic, or lead to new materials for clothes, fuels and pharmaceuticals.

It's simply a matter of substituting fluorine for something else, such as hydrogen or chlorine, through a process called fluorination.

Here at Clemson, one of only a handful of academic institutions in the United States involved in fluorine research, scientists trying to find better ways to shuffle atoms around have gotten a half-million dollar boost from the U.S. government.

A \$268,000 grant from the Department of Defense will pay for a device called a high-field nuclear magnetic resonance instrument that helps researchers study the structure of molecules and learn how to manipulate the atoms they contain.

And a \$232,000 contract from the Army Research Office will support the work of fluorine chemist Darryl DesMarteau, head of the chemistry department.

"Materials development is one of the Army's basic research missions. Ultimately, they're interested in new materials that can be used in a wide range of items from explosives to protective clothing," DesMarteau says. "That's why

they're so interested in fluorine chemistry."

Fluorine drastically changes the properties of compounds, and often leads to the development of materials that wouldn't exist without it.

Teflon, Scotchgard and the widely-used surgical anesthetic Halothane are examples of products that owe their useful properties to the presence of fluorine. Fluorine is also used in the pharmaceuticals industry to change favorably the activity of chemical compounds.

"For example, selective fluorination of a compound very similar to aspirin leads to a material five times more active than aspirin that has fewer side effects," DesMarteau says. "This compound is widely used to relieve chronic pain associated with arthritis."

Research here is aimed at developing new methods of fluorination, which can then be used to create drugs, synthetic fuels, materials for coatings, agricultural chemicals and so on, DesMarteau says.

The instrument the University will buy with the Defense grant will allow DesMarteau to study fluorine-containing solids as well as solutions.

"The NMR will also benefit other ongoing research programs at Clemson that involve the study of molecular structure and activity," he says.

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## ENVIRONMENTAL SYSTEMS ENGINEERING

A.R. Abernathy (Prof), J. Zirschky (Grad Stu) and M.B. Borup (Grad Stu) published a review, "Land Application of Wastewater," in the *Journal Water Pollution Control Federation*, 56 (1984) 620.

Prof. Abernathy also presented a paper, "Mercury Mobilization in a New Reservoir," co-authored by W.D. Nicholas (Grad Stu), at the annual meeting of the American Society of Limnology and Oceanography at the University of British Columbia, Vancouver, B.C., June 11-14.

T. Ku (Former Grad Stu) presented a paper, "An Experimental Study on Spray Dry SO<sub>2</sub> Scrubbing," at the annual meeting of the Air Pollution Control Association in San Francisco, June 24-29. The paper was co-authored by T.J. Overcamp (Assoc Prof).

Prof. Overcamp was elected chair of the Higher Education Division of the Air Pollution Control Association at its annual meeting.

## EXTENSION HOME ECONOMICS

J.R. McRee (Assoc Prof) attended an international workshop, "Women: Partners in Development Workshop on Programs for Rural Women," Bogota, Columbia, June 4-9, sponsored by Partners of the Americas.

J.H. Jenkins (Assoc Prof) and Prof. McRee participated in the 75th anniversary meeting of the American Home Economics Association, Anaheim, Calif., June 24-29. Prof. McRee served as secretary for the National Extension Section at their annual business meeting; presided at one of the sessions; and served on a reactor panel during the meeting.

## FOOD SCIENCE

S.R. Bhowmik (Asst Prof) presented a paper, "Quality of Individually Shrink-Wrapped Peaches," at the IFT Annual meeting June 10-13 in Anaheim, Calif.

J.R. Brooks (Grad Asst) and C.V. Morr (Stender Prof) published "Phosphorus and Phylate Content of Soybean Protein Components" in the *Journal of Agricultural and Food Chemistry*, Vol. 32, 672-674, 1984.

The following papers were presented at the 44th annual meeting of the Institute of Food Technologists June 10-13 in Anaheim, Calif.:

-- L.M. Breyer (Grad Res Asst) and J.C. Acton (Prof), "In vitro enzymatic digestions of different proteins in the presence of dietary fiber constituents,"

-- T.W. DeMasi (Grad Res Asst) and Prof. Acton, "Nonprotein nitrogen analyses of fermented and nonfermented sausages during processing."

Prof. Morr published "Production and

Use of Milk Protein in Food" in *Food Technology*, Vol. 38, 39-42, 44, 46-48, 1984.

Prof. Morr attended the American Dairy Science Association meetings June 24-27 and participated in the Board of Directors' meeting at Texas A&M University. He also presented a paper, "Functionality of Heated Milk Protein in Dairy and Related Foods."

A. Seo (Res Spec) and Prof. Morr published "Improved HPLC Analysis of Phenolic Acids and Isoflavonoids from Soybean Protein Products" in the *Journal of Agricultural and Food Chemistry*, Vol. 32, 530, 1984.

S. Tandon (Grad Asst) and Prof. Bhowmik presented a paper, "Evaluation of thermal processing of retortable pouch considering its actual shape," at the IFT annual meeting June 10-13 in Anaheim, Calif.

Prof. Acton was elected chairman-elect of the Muscle Foods Division for 1984-85 at the Institute of Food Technologists annual meeting.

Prof. Acton presented a paper, "Protein-Protein Interaction in Processed Meats," at the 37th annual meeting of the American Meat Science Association at Texas Tech University June 17-20.

G.R. Ziegler (Former Grad Stu) and Prof. Acton published "Mechanisms of gel formation by proteins of muscle tissue," in *Food Technology*, Vol. 38(5), 77-82.

## FORESTRY

The following articles were published in the 1984 Machine Processing of Remotely Sensed Data Symposium by Purdue University:

-- "Identifying Vegetative Land User Classes During each of the Four Seasons on Aerial Photographs and Landsat Imagery in Coastal South Carolina" by L.E. Nix (Assoc Prof), W.A. Shain (Prof) and K.O. Kelton (Grad Asst).

-- "Modeling Forest Biomass Accessibility in South Carolina with Digital Terrain Data" by Mr. Kelton, Prof. Nix and Prof. Shain.

R.A. Harris (Assoc Prof), M.A. Taras (Prof and Hd) and J.G. Schroeder (U.S. Forest Service) published "Sound Quality Upholstered Frame Part Yields from Lumber and Green Cuttings Dried by a Radio-Frequency/Vacuum system and by conventional Kiln-drying" in *Forest Products Journal*, 34(7/8):19-21.

Prof. Harris and R. Zahner (Prof) published "Wood Fuel Production from Young Piedmont Oak Stands of Sprout Origin" in *Forest Products Journal* 34(6):34-38.

S.M. Jones (Res For) and D.H. Van Lear (Prof) published "A Habitat Type Approach for Classifying Sites Within the Upper Coastal Plain of South Carolina" in *Symposium Proceedings of Forest Land Classification*, University of

Wisconsin.

Mr. Jones presented the paper "Geographical Distribution of *Quercus oglethorpensis*" at the annual meeting of the Association of Southeastern Biologists in Memphis, Tenn., April 12-13, 1984.

C.L. Lane (Prof) and H.I. Shade (DuPont Corp) published "Application of Effluents and Sludges to Forests Encourages Tree Growth" in *Water and Pollution Control Journal* 11(3):8(24).

A.W.C. Lee (Asst Prof) published "Truncating Classical Solutions of Bending of Square Wood-Base Plates" in *Wood and Fiber Science* 16(2):237-245.

Prof. Lee and Prof. Harris published "Properties of Red Oak Lumber Dried by Radio Frequency/Vacuum Process and Dehumidification Process" in *Forest Products Journal* 34(5):56-58.

A.P.C. Marsinko (Asst Prof) published "Firewood Production and Retailing for Extra Income: A Market Analysis" in *Journal of Arboriculture* 10(6):178-180.

D.L. Roberts (Prof), G.E. Sabin and J.W. Davis (Vstg Instr) published "Chain Saw Selection and Operation" as Extension Service Circular No. 637.

Prof. Sabin and C.D. Rosson (Asst Prof) edited the "Proceedings of the International Trade Seminar for Forest Products" held June 30 in Charleston.

Prof. Zahner and R.K. Myers (For Aide) published "Productivity of Young Piedmont Oak Stands of Sprout Origin" in *Southern Journal of Applied Forestry* 8(2):102-108.

## 4-H AND YOUTH DEVELOPMENT

B. Latimer-Hodges (Ext 4-H and Youth Devel Spec and Asst Prof) participated in the American Home Economics Association Convention and Workshops in Anaheim, Calif., June 24-30.

E.J. Richardson (Act Asst Dir of Ext and Prof) lectured on "The 4-H Program as a Resource to Schools and Guidance Counselors" at the Institute on Adolescents and Personal Decision-Making administered by the Graduate School of Education of Harvard University in Cambridge, Mass., July 8-13. She is also a member of the committee that met April 24-26 in Washington, D.C., to plan National 4-H Congress.

## HISTORY

J.V. Reel Jr. (Prof) reviewed P.J. Remy, *Maria Callas: A Tribute*. N.Y.: St. Martin's Press, in *Opera Journal*, XVII, No. 2, 39-40.

F.M. Walker (Admin Spec A) gave a lecture for the S.C. Employment Security Commission, I.E.S. (Intensive Employment Search), June 8.

## INDUSTRIAL EDUCATION

C.H. Isbell (Asst Prof) published "How To Use the Delphi Technique to Forecast Training Needs" in the *Per-*



*formance and Instructional Journal* (May, 1984) Vol. 23:26-28.

C.D. Schmittou (Asst Prof) conducted an inservice workshop, "Planning: The Key to Successful Teaching," for the Pickens County Vocational Center faculty and administration in Pickens last September.

Prof. Schmittou presented a paper, "A Program for Updating Trade and Industrial Education Teachers in Specific Skill Areas," at the Southeastern Trade and Industrial Education Conference in Nashville, Tenn., May 10.

Prof. Schmittou conducted an inservice workshop "The Student, The Teacher, and The Law," for the Greenwood Vocational Facilities faculty and administration in Greenwood Feb. 1984.

#### MANAGEMENT

M.J. Stahl (Prof and Hd) and A.M. Harrel (USC) published "McClelland's Trichotomy of Needs Theory and the Job Satisfaction and Work Performance of CPA Firm Professionals" in *Accounting, Organizations and Society*, Vol. 9, No. 3/4, 1984, 241-252.

#### MATHEMATICAL SCIENCES

J.W. Kenelly (Prof) gave a talk, "Using LOGO in a Teacher Training Geometry Course," at the National Educational Computing Conference in Dayton, Ohio, June 14.

Prof. Kenelly and J. Kilpatrick (Prof, UGA) directed two sessions on the forthcoming recommendations of The College Board about the academic preparation in mathematics that should be accomplished in the secondary schools at the National Council of Teachers of Mathematics in San Francisco, Calif., April 28.

Prof. Kenelly made a report on the academic community's reaction to the proposed recommendations The College Board's Academic Affairs meeting in New York, N.Y., May 4-5.

W.F. Moss (Assoc Prof) gave a talk, "On Nonlinear Eigenvalue Problems," here June 15.

Prof. Moss also gave a talk, "A New Implementation of the Galerkin Method for a Class of Singular and Cauchy Singular Integral Equations," at Lehigh University in Bethlehem, Pa., June 22.

J.R. Nedelman (Asst Prof) published "Inoculation and Recovery Rates in the Malaria Model of Dietz, Molineaux, and Thomas" in *Mathematical Biosciences*, June 1984, Vol. 69, 209-233.

R.D. Ringeisen (Prof) presented a research lecture, "Cycle Permutation Graphs," at Simon Fraser University in

Vancouver, British Columbia, July 17.

Prof. Ringeisen also met with the national governing council of The Society for Industrial and Applied Mathematics (S.I.A.M.) to represent a group of mathematicians petitioning SIAM for an activity group in discrete mathematics on July 16-20 in Seattle, Wash. He also participated in a panel discussion, "Mathematics Education in Transition," wherein he discussed Clemson's graduate programs in mathematical sciences.

#### MECHANICAL ENGINEERING

J.G. Goree (Prof) and L.R. Dharani (Asst Prof, Univ of Mo-Rolla) presented a paper, "Residual Strength of a Unidirectional Symmetric Buffer Strip Laminate," at the Southeastern Conference on Theoretical and Applied Mechanics at Callaway Gardens May 10-11.

Prof. Goree was one of five principal lecturers at a five-day short course on Metal Matrix Composites at UCLA June 11-15.

C.E.G. Przirembel (Prof and Hd) was elected a Fellow of the American Society of Mechanical Engineers at the ASME summer annual meeting in Seattle, Wash.

Prof. Przirembel was elected chairman of the Professional Interest Council I of the American Society for Engineering Education; he will serve as a member of the Board of Directors of ASEE.

Prof. Przirembel co-authored a paper, "A Study of the Near-Wake Behind an Axisymmetric Body," which was presented at the 14th International Symposium on Space Technology and Science in Tokyo, Japan. The other co-authors were R.H. Page and J.L.F. Porteiro (Texas A&M Univ).

#### PARKS, RECREATION AND TOURISM MANAGEMENT

R.L. Howell (Asst Prof) was presented the "Chapter of the Year Award" for his chairmanship of the Southeast Chapter of the Travel and Tourism Research Association at the international conference of the association in Philadelphia, Pa.

Prof. Howell also presented "Training Needs for The Travel Industry in South Carolina" to the S.C. Small Business Training Committee in Columbia in June.

#### PLANT PATHOLOGY AND PHYSIOLOGY

O.W. Barnett (Prof), K.W. Jayasena and J.W. Randles (Waite Ag Research Inst, Glen Osmond, South Australia)

published "Synthesis of a Complementary DNA Probe Specific for Detecting Subterranean Clover Red Leaf Virus in Plants and Aphids" in *J. gen Viro* (1984) 65:109-117.

L.W. Baxter (Prof), S.G. Fagan (Ag Sci Asst) and P.A. Mitchell (Ag Sci Assoc) published "A Comparison of the Grafting Capability of Terminal Scions and Lateral Scions of Camellia Japonica When Grafted onto *C. Sasanqua* Stock" in *Carolina Camellias*, Spring, 1984, Vol. XXXVI.

M.H. Collins (Former Grad Res Asst), J.F. Murphy (Grad Res Asst), W. Witcher (Prof), and Prof. Barnett published "Survey of Cowpeas in South Carolina for Six Viruses" in *Plant Disease* July, 1984, Vol. 68:561-563.

#### PHYSICS AND ASTRONOMY

P.B. Burt (Prof and Hd) visited Eotvos University in Budapest, Hungary, and the University of Kent in England to continue research collaborations. His visits were partially supported by University and NATO grants.

Prof Burt was a guest at the 80th Birthday Conference for Professor George McVittie, a Fellow of the Royal Astronomical Society.

J.R. Ray (Prof) presented a talk, "Molecular Dynamics in the (HPN) Ensemble," to the Theory Group of the Material Science and Technology Division at Argonne National Laboratory July 11.

R.C. Turner (Prof) published "Free Radical Decay Kinetics in PMMA Bone Cement" in the *Journal of Biomedical Materials Research*, Vol. 18 (1984), 467-73.

Prof. Turner presented a talk, "ESR Studies of the Thermo-Oxidative Stability of the Polyester," at the Celanese Fibers Operations Research Lab in Charlotte, N.C., May 31.

Prof Turner has received a grant of \$4,100 from the USAE Waterways Experiment Station.

Prof. Turner lead a workshop, "Toys in Physics Teaching," at the American Association of Physics Teachers in Washington, D.C., June 27.

#### UNIVERSITY RELATIONS

J.V. Kidd (Asst Dir, Spec Prjcts and Mrkt) produced a slide/tape presentation on Thomas Clemson's life that received one of 14 exceptional achievement awards presented nationally by the Council for Advancement and Support of Education (CASE) at its annual convention July 9-12 in Chicago, Ill.

## Five Directions offers a choice in movies to see on campus

By Lee Derrick

Classic, foreign, and change-of-pace films can all be found in one place here this fall, but you'll have to follow five directions to find it -- Five Directions Cinema, that is.

Carol Ward, the assistant professor of English who chairs the Five Directions group, says, "Our goal in deciding which movies to show is to offer the faculty, staff and students, as well as the Clemson public, alternative entertainment."

According to Ward, Five Directions got its name because "the original five members' ideas pulled in five different directions."

Different directions maybe, but all were headed for the goal of alternative movies. Today, there are still five members, so the name remains appropriate.

Five Directions sponsors a lot of old, classic movies on campus -- movies like "Citizen Kane" and "King of Hearts," for example. Some Marx Brothers films are in the works for this year.

"We try to show a French, a German, and an Australian film every semester," says Ward. "We also show literary adaptations like 'Macbeth,' 'Lolita,' and 'The Loved One.'"

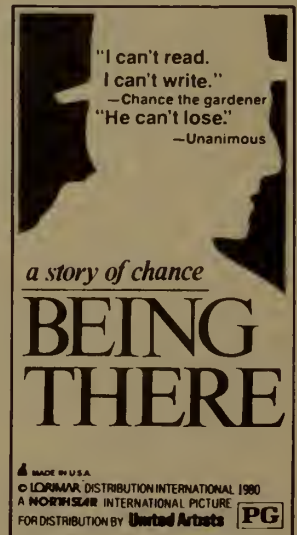
The group works with the University Union in trying to schedule films that correlate thematically with Union flicks. "Like last semester," says Ward, "we showed 'Mad Max' while the Union was showing 'Road Warrior,' its sequel with the same star and director."

Five Directions is a non-profit, break-even organization that basically lives from semester to semester. Admission to the movies is usually around \$2, and that's strictly to cover costs.

Though it's sponsored by the English department, anybody and everybody is invited and urged to join in on the fun. "We've got a member from the zoology department, and we've received many suggestions from the people over in architecture," says Ward.

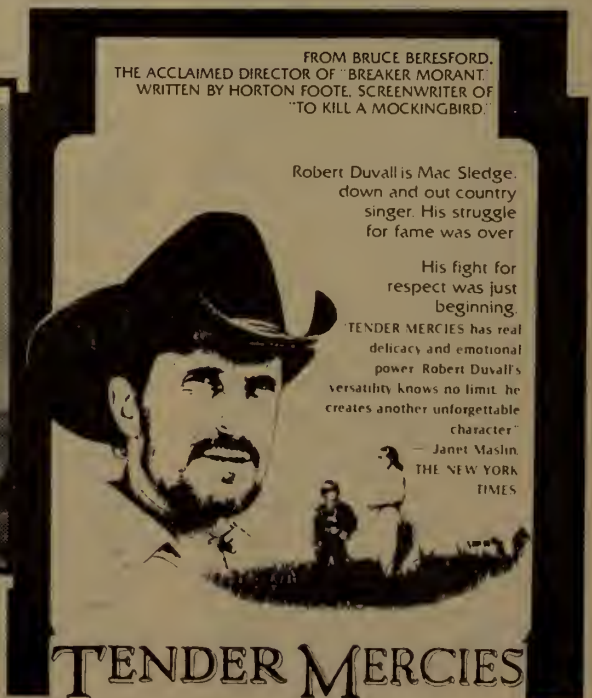
For more information on upcoming shows and times, consult the CU Events calendar published weekly or key into the entertainment calendar on any one of the C-Tex terminals around campus.

Or, if you'd like to be more than a spectator, give Carol Ward a call at 656-3069. One more direction won't hurt anything, because all roads lead to the same place.



2 WINNER OF GOLDEN GLOBE AWARDS

## LOCAL HERO



EMI FILMS Presents An ANTRON MEDIA Production  
ROBERT DUVAL "TENDER MERCIES"  
Written by HORTON FOOTL Associate Producer MARY ANN HOBEL Produced by PHILIP S. HOBEL  
Directed by BRUCE BERESFORD Distributed by Universal Pictures and PG PARENTS STRONGLY CAUTIONED  
Associated Film Distribution Corporation

**Sept. 1-9**

- 1 College Bowl: "The Game Before the Game." Clemson vs. Appalachian State. Sponsored by University Union, Senate Chambers, 8 a.m.-noon. Free. Call 656-2461 for more information.
- 1 Football: Appalachian State, Death Valley, 1 p.m. (IPTAY Day).
- 1 Soccer: Connecticut, Soccer Field, 8 p.m.
- 9/1-11/1 Scholarship make-up period. Call 656-2280 for more information.
- 2 Free Flick: "Deliverance." Sponsored by University Union, Y Theater, 8 p.m. Free with University I.D. Call 656-2461 for more information.
- 3 James Bond Movie Series: "From Russia With Love." Sponsored by University Union, Y Theater, 8 p.m. \$1 with University I.D. Call 656-2461 for more information.
- 3 Short Course: "Bartending." Learn basics of bartending and party planning. Sponsored by University Union, sign up at Union Information Desk, loggia. \$5 fee. Call 656-2461 for more information.
- 3 Placement Orientation. Sponsored by Student Placement Office, Senate Chambers, 3:35 p.m. Call 656-2152 for more information.
- 3 Tickets go on sale for Bill Cosby's Oct. 20 Homecoming show here. Tickets available at Union Box Office, Monday-Friday, noon-5 p.m. Call 656-2461 for more information.
- 4 College Bowl: "Nut Bowl." College bowl match to win certificates to NUT HUT. Sponsored by University Union, loggia, 6-7 p.m. Open to all competitors. Call 656-2461 for more information.
- 5 Organizations Day. Sponsored by Student Government, Bowman Field, 1-4 p.m.
- 5 Soccer: Mercer, Soccer Field, 8 p.m.
- 5 Placement Orientation. Sponsored by Student Placement Office, Senate Chambers, 1:25 p.m. Call 656-2152 for more information.
- 6 Placement Orientation. Sponsored by Student Placement Office, Senate Chambers, 2 p.m. Call 656-2152 for more information.
- 6 Gutter: Rick Bowles will perform easy-listening rock. Sponsored by University Union, Gutter, 8-11 p.m. \$1 admission. Call 656-2461 for more information.
- 6 Short Course: "Sign Language." Sponsored by University Union, 6:30-8:30 p.m. every Thursday through Oct. 25, sign up at Union Information Desk. \$10 fee. Call 656-2461 for more information.
- 6-8 Movie: "The Big Chill." Sponsored by University Union, Y Theater, 7 and 9:15 p.m. \$1.50 admission with University I.D. Call 656-2461 for more information.
- 7 Meeting: "Linkup." For all users and potential users of computers. Sponsored by College of Agriculture, D-135 P&AS Building, 2 p.m. Call Carol Boyer at 656-3102 or Pat Edmunds at 656-2396 for more information.
- 7-8 Bus trip to Virginia football game. Leave 7 a.m. Saturday, return 6 p.m. Sunday; accommodations provided. Sponsored by University Union, sign up at Union Information Desk, loggia. Cost to be announced. Call 656-2461 for more information.
- 9 Free Flick: "Rollerball." Sponsored by University Union, Y Theater, 8 p.m. Free with University I.D. Call 656-2461 for more information.





SEP 5 1984

# Newsletter

September 5, 1984  
Vol 24 No. 3

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## President updates faculty/staff on University news, activities

In an upbeat address to the faculty and staff Aug. 17, President Bill Atchley kicked off the University's 92nd academic year with words of welcome, congratulations and challenge.

The president said he does not foresee any budget cuts coming this year, and he applauded the General Assembly for providing close to full-formula funding for state colleges and universities for 1984-85.

("Full-formula funding" refers to the Commission on Higher Education's formula system for making funding recommendations to the General Assembly. Clemson's 1984-85 appropriation is about 98 percent of the school's full-formula-funding amount.)

Addressing new, returning and continuing faculty and staff members assembled in general session in Tillman Hall Auditorium, Atchley welcomed them all to the new school year.

He introduced to the group David Pearson, the new dean of architecture, John Wunder, the new head of history, and Gordon Gray, the new head of elementary and secondary education.

The president also had special words of thanks and appreciation for retiring Extension director Wayne O'Dell. Atchley said the search for O'Dell's successor is under way, along with an evaluation of Extension's organizational structure.

Atchley then briefed the audience on two "hot items in the news this summer": the University's unsuccessful appeal for relief from the Atlantic Coast Conference's final year of sanctions against the football team and the decision to phase out the College of Engineering's popular engineering technology program.

On the ACC matter, Atchley said there are no plans to leave the conference or to take any further action.

"There are a lot of misconceptions and disappointment out there," he said, "and I know some people say we should sue or leave the conference.

"But, in the end, you have to let common sense take over. You have to consider what is in the best interest of Clemson University, and we feel we'll be

better off to accept the punishment as ladies and gentlemen and scholars."

Regarding phase-out of engineering technology, Atchley said, "I want to emphasize that this decision is in no way a negative comment about the program, or the degree itself, or the people who are doing such a fine job in the program."

Rather, he said, "sometimes you need to step back and evaluate the space, facilities and mission of the University.

"We found that engineering technology did not necessarily fit the primary mission of this University."

He said the University "will uphold its commitment to the students" already in the engineering technology program.

Broadening his comments, Atchley said, "The golden age of higher education no longer exists -- not in terms of quality, but the golden age of unlimited financial support from state government."

Because of that, he said, universities have to concentrate on developing "centers of excellence" and must stay true to their missions.

"It's high time," he said, "for all higher education institutions to stop being turf-protectors and to start working together" to avoid duplication of programs.

### A campus on the move

As evidence that "things are really on the move on this campus," the president then presented a long list of faculty and staff accomplishments and activities -- taking time to congratulate the individuals responsible. He noted that:

- Darryl DesMarteau, head of the chemistry department, has received \$500,000 from the Department of Defense and the Army Research Office for flourination research.

- Ed Page and other members of the computer science department have received almost \$1 million from the Department of Defense to develop a nationwide computer communications network.

- John Luh, Quattlebaum Professor of Electrical and Computer Engineering, has received \$231,000 from the Defense

Department for robotics research.

- Chris Sieverdes, an associate professor of sociology, has received \$100,000 from the Kellogg Foundation to develop courses in agriculture and nutrition awareness for students in liberal arts.

- Construction of the new chemistry building has begun.

- The building science department has been accredited for five years.

- The Commission on Higher Education has authorized the University to establish a Center for Semiconductor Device Reliability, an offshoot of the electrical and computer engineering department's computer-chip (VLSI) research.

- The University is asking CHE for permission to establish a consortium with the University of South Carolina and the Medical University of South Carolina to foster biomedical graduate education and research.

- There's now a department of aquaculture, fisheries and wildlife.

- A special committee appointed by the president has developed and presented proposals for setting up a "Wellness Program" for faculty and staff members. The administration is now looking for ways to fund the program.

- The new Commission on Classified Staff Affairs, chaired by Jane Kidd of University Relations, is meeting monthly.

- A new recognition, "The President's List," has been established to honor students with 4.0 grade-point-ratios each year.

- A symposium organized by wood chemist David N.S. Hon brought scientists from all over the world to campus in August to discuss ideas and research on how to get more from trees.

- The Thurmond Institute continues to bring to the campus major state and national leaders. For example, James Coyne, head of the President's Commission on Private Sector Initiatives keynoteed the Institute's Conference on Volunteerism Aug. 20, and U.S. Sen. Jennings Randolph delivered a public address here Aug. 27.

Atchley took a moment at this point to urge the faculty and staff to attend major speeches and conferences held here.

"I can't overemphasize the necessity and the importance of you attending the

(Continued on page 2.)

(Continued from page 1.)

speeches, conferences and other major events we have on campus," he said.

"I'm asking you to join me in attending them, and I would appreciate your making the effort and ask you to encourage your students to do the same."

- The Visitors Center is open now in Room 103 of Tillman Hall. Atchley encouraged all faculty and staff members to drop by to meet the Center's staff and to check out the services available there.

- Annual Fund giving is running about 10 percent ahead of its level this time last year.

- Plans are being developed to sponsor an "Alumni College" next summer to offer educational and recreational programs for alumni and their families.

### Three words

The president concluded his remarks by asking the faculty and staff to make "quality, commitment and integrity a part of everything that we do."

He told the assembly: "Quality, commitment and integrity ought to be associated with every diploma we award, with every piece of research we do, with every lecture we give, with every day's work we put in.

"Those are probably the most important values we can instill in the young people who have put themselves in our hands and who are asking us to help them learn so that they can make a positive contribution to society."

In the question-and-answer session that followed Atchley's talk, he was asked when the proposed wellness program will be implemented.

He answered that the parts of the program not requiring significant funding can be started relatively soon.

As for the parts that will need significant funding, he said, "I can't tell you exactly when we'll be able to implement them, but we are looking for ways to fund them."

He said one possibility that he's looking into is to strike a deal with the state for the University to develop, with state funding, a model wellness program for other state agencies.

The president was also asked to what extent faculty and staff advisers of students organizations are responsible for enforcing the new state law raising the legal drinking age for beer and wine to 19, effective now, and to 20 effective Jan. 1, 1985.

After complimenting student leaders for taking the initiative in developing the University's new alcohol use policy, Atchley asked Dean Walter Cox, vice president for student affairs, to respond further.

Cox said that, as of Jan. 1, 40 to 45 percent of the student body will be legally ineligible to buy, possess or be

served any alcoholic beverage.

And he said, in effect, that responsibility for obeying the law extends to all members of the University community -- from students to advisers to administrators.

"We are going to obey the law," Cox said, "but we are not going to become sleuths going down the halls of the dormitories trying to catch people."

## Security force gets new chief of police and new sergeant

Two public safety staff members have been promoted to new positions on the campus police force.

Acting public safety director Jim Brummitt has announced the promotions of Joe Granger to University police chief and Dennis Wilks to police sergeant.

Granger, who was a sergeant on the force, joined the University in 1978. As chief, the Charleston native will supervise approximately 30 uniformed personnel.

"My goal as chief," he says, "is to maintain a very professional department and be of maximum service to the public."

Wilks, a Seneca native who's been with the University since 1973, moves up from the rank of corporal. He will supervise six to eight uniformed officers and assistants.

He says his goal as sergeant is to "keep a good rapport with the faculty staff and students and work with them in any way we can."

Brummitt praises both officers for their past service on the staff and for the leadership abilities they bring to their new positions.

"Many well-qualified individuals applied for these positions," he says, "and for important positions like these, there are many characteristics that you have to look for.

"An assessment has to be made of each candidate's technical and communications skills, initiative and resourcefulness, job knowledge, supervisory and leadership abilities, judgment, past performance, training, and other such factors.

"Both Sgt. Wilks and Chief Granger have demonstrated these qualities over the past years. They both started a rank patrolmen and advanced up to their present ranks.

"I'm confident both will be of even greater service to the University in their new assignments within the department.



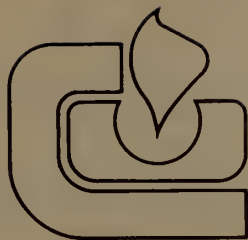
Chief Granger, left, and Sgt. Wilks



The Clemson University Newsletter is published for Nell Bridges, an executive support specialist for the Agriculture Experiment Station, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barre  
Production Assistant \_\_\_\_\_ Carla Reeve

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



SEP 5 1984

# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

## Sept. 10-16

- 9/10-10/31 Exhibit: "The Rare Book Collection of the Robert Muldrow Cooper Library." Features examples of outstanding items from library's holdings. Sponsored by Cooper Library, Special Collections Room, Level 2 of Cooper Library. Call 656-3024 for more information.
- 9/10-11/1 Scholarship make-up period. Call 656-2280 for more information.
- 10 Carolina Journal: Bill Koon and Mark Steadman discuss "Southern Literary Humor." Sponsored by University Relations, SCETV, Channel 29 (Cable Channel 2), 7:30 p.m. Call 656-2061 for more information.
- 10-14 Senior Adventure Camp. Sponsored by parks, recreation and tourism management department, Outdoor Laboratory. Call 646-7502 for more information.
- 10-28 Professional Development for Outdoor Recreation Management. Sponsored by parks, recreation and tourism management department, Lehotsky Hall, 8 a.m.-5 p.m. daily. Pre-registration required. Call 656-2198 for more information.
- 11 Workshop: "IEEE Videoconference: Project Management II." Sponsored by Continuing Engineering Education, 101 Riggs Hall. Call 656-3308 for more information.
- 11 Chamber Music Series: John Noel Roberts presents a recital of solo piano literature. Sponsored by music department, Daniel Hall Auditorium, 8 p.m. Open to public. Free. Call 656-3043 for more information.
- 11 Placement Orientation. Sponsored by Student Placement Office, Senate Chambers, 10:10 a.m. Call 656-2152 for more information.
- 11 Meeting: Commodore Users Group. For all users of Commodore computers. Seneca police department, 7:30 p.m. Call Gregg Dickson at 656-2353 for more information.
- 12 Placement Orientation. Sponsored by Student Placement Office, Senate Chambers, 2:30 p.m. Call 656-2152 for more information.
- 12 Soccer: Pfeiffer College, Soccer Field, 8 p.m.
- 12 English Hour Lecture: "Panel Discussion on Teaching Technical Writing" with Profs. Claire Caskey, Susan Hilligoss and Judith Stanton. Sponsored by English department, 108 Strode Tower, 3:30 p.m. Open to public. Free. Call 656-3151 for more information.
- 13-15 Movie: "Silkwood." Sponsored by University Union, Y Theater, 7 and 9:30 p.m. \$1.50 admission with University I.D. Call 656-2461 for more information.
- 14 Last day to withdraw from class or University without record.
- 14 Dinner Meeting and Address: "What University Professors Ought to Know About Trustees." University Trustee James Bostic speaks to dinner meeting of local chapter of American Association of University Professors. Clemson Holiday Inn, 7:30 p.m. Preceded by cocktail hour at 5:30 p.m. and dinner at 6:30 p.m. Call John Huffman at 656-3133 for more information.
- 15 President's Reception for Faculty and Staff. President and Mrs. Bill Atchley invite all members of the faculty and staff to a reception at the President's Home (Clemson House in case of rain), 7-10 p.m.
- 15 Medical College Admission Test. Sponsored by Counseling and Career Planning Center. Call 656-2451 for more information.
- 15 Performing Artist Series: The Alabama Shakespeare Festival's performance of "Arms and the Man." Sponsored by University Union and Alumni Association, Tillman Hall Auditorium, 8 p.m. Tickets \$5 for students, \$7 for public; available at Union Box Office. Call 656-2461 for more information.
- 16 Free Flick: "Yellow Submarine." Sponsored by University Union, Y Theater, 8 p.m. Free with University I.D. Call 656-2461 for more information.
- 16 Soccer: North Carolina, Soccer Field, 2 p.m.

The following table shows the results of the experiments conducted on the reaction of the various compounds with the reagent. The data are given in the form of a table with columns for the compound, the reagent, and the observed reaction. The results are summarized in the following table:

Compound	Reagent	Reaction
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
91	92	93
94	95	96
97	98	99
100	101	102

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28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
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64	65	66
67	68	69
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73	74	75
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85	86	87
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97	98	99
100	101	102





SEP 12 1984



# Newsletter

September 12, 1984  
Vol 24 No 4

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY



**Cheap thrills** -- *The Union, with help from the Alumni Association, filled the first week of the new school year with "cheap thrills" for everybody. In a College Bowl match on the loggia, administrators (the team on moderator Drew Smith's right), left to right, John Butler, Charles Jennett, Jerry Reel, and Corinne Sawyer defeated faculty members (on Smith's left), left to right, Lewis Fitch, Bob Melsire, Richard Golden, and Edwin Moise -- 195 to 175. The administrators defeated a student team 240 to 90. The faculty beat the students 195 to 15, but the time the students only had three people playing.*

## Council approves list of duties for classified staff commission

The President's Council Aug. 24 added to its constitution a list of functions and duties for the Commission on Classified Staff Affairs.

Basically, the list is the same as President's Bill Atchley's charge to the commission when he established it last spring.

The commission's functions and duties are:

- "To study and formulate staff concerns, creating a forum for two-way communications of ideas and concerns that specifically relate to classified staff employees and the University mission;
- "To consider specifically the development of job and supervisory skills, compensation, benefits, fair employment practices, and welfare of classified staff employees, not to exclude other areas of concern that are brought to the commission's attention;
- "To formulate and recommend to the President's Council University-wide

policies and procedures related to classified staff employees;

- "To develop a systematic means for communicating to all classified staff employees existing University policy and specific actions and feedback concerning all matters considered by this commission."

The list of duties for the classified staff commission was the only action item brought before the President's Council at its August meeting.

The remainder of the meeting was devoted to information items and commission reports.

## Research office has D.C. flight schedule planned for '84-85

The Office of University Research is again sponsoring monthly airplane trips to Washington, D.C., for faculty mem-

bers needing to go to the nation's capital on research-related business.

The flight service, which makes use of the University's airplane, can accommodate seven faculty members per trip.

"Faculty members can use such trips to review new, existing or preliminary proposals," says Stan Nicholas, director of the research office, "but proposals must be prepared in accordance with the usual University procedures."

To reserve a seat, send the research office a memo stating your desired flight along with a copy of your proposal or pre-proposal -- unless it is already on file in the research office.

Include, too, a copy of any correspondence, letter or memo from the sponsoring agency in Washington (or a letter from your department head) confirming the meeting taking place on your project.

Be sure to make your contact with the research office in writing, says Nicholas, because reservations will be taken on a first-written-contact basis.

Flights normally leave the Oconee County Airport at 7 a.m., arrive in Washington at 9 a.m., leave Washington at 4 p.m., and get back to Oconee at 6 p.m.

(Continued on page 2.)

## The Atchleys invite faculty and staff to annual reception

President and Mrs. Bill Atchley's annual reception for faculty and staff members will be held this Saturday, Sept. 15, 7-10 p.m., at the President's Home.

All members of the faculty and staff are invited to attend.

"It's great to have so many returning members of the faculty and staff, and we are delighted to have an outstanding group of newcomers joining the University for 1984-85," says the President.

"With the new academic year under way, Pat and I would like to welcome everyone to what we trust will be an exciting and challenging year, and we would appreciate the opportunity to greet each of you personally."

In case of bad weather, the reception will be held at the Clemson House.

(Continued from page 1.)

The research office pays the air travel cost. Passengers are responsible for their own ground transportation and meals.

Flights for the rest of the 1984-85 academic year are scheduled for Oct. 2, Nov. 13, Dec. 4, Jan. 8, Feb. 5, March 5, April 2, May 7, and June 4.

Call the Office of University Research at 656-2375 for more information.

## Trustee Jim Bostic to address meeting of AAUP chapter

University Trustee Jim Bostic this Friday, Sept. 14, will tell a bunch of professors what they ought to know about University Trustees.

Bostic, vice president of Riegel Textile Corp.'s convenience products division and former chairman of the state Commission on Higher Education, will address a dinner meeting of the local chapter of the American Association of University Professors.

The topic of his 7:30 p.m. talk at the Clemson Holiday Inn will be "What University Professors Ought to Know About Trustees."

The talk will be preceded by a cocktail hour at 5:30 p.m. and dinner at 6:30 p.m.

The meeting is open to faculty and staff members.

Call chemistry Prof. John Huffman at 656-3133 for more details.

## President appoints Thurmond Institute building committee

President Bill Atchley has appointed a six-member building committee for the Strom Thurmond Institute.

The committee's initial task will be to work with Enwright Associates of Greenville, the firm selected last month to handle the architectural and engineering phase of the project.

Jerry Boyer, superintendent of planning and engineering in the Physical Plant Division, chairs the building committee.

The other members are libraries director Joe Boykin, music department head John Butler, Thurmond Institute director Horace Fleming, liberal arts dean Bob Waller, and campus planner Mark Wright.

## Students may file '84-85 aid forms through October

If you know students who would like to apply for scholarship aid, please re-

mind them that the deadline for applying for scholarships to be awarded to undergraduates during the 1984-85 make-up scholarship period is Nov. 1, suggests Marvin Carmichael, director of student financial aid.

Application forms are available in the Financial Aid Office in G01 Sikes Hall.

Students who applied for scholarships for 1984-85 by the Feb. 15 deadline last winter will automatically be considered and don't have to reapply.

For students to make sure they've applied, they should contact the Financial Aid Office, Carmichael says.

Also, he says, to be considered for need-related scholarships, students should submit their Financial Aid Forms at least four weeks before the Nov. 1 deadline to allow enough time for processing.

Students with current Financial Aid Forms on file with the University are not required to resubmit.

For more information, call the Financial Aid Office at 656-2280.

## Call Personnel Office to find out more about buying time

If you want to find out if you're eligible to buy some time, you ought to call Debbie King in the Personnel Office at 656-2426.

She has information and explanations about recent state retirement law amendments dealing with purchasing retirement service credit for maternity leave and for federal service not covered under the federal pension system.

You may have read about these amendments in the latest "South Carolina Retirement Systems Update" newsletter, which you should have received by now, King says.

But if you didn't get a newsletter or if you just want to know more about the new provisions, give King a call.

## Committee offers study opportunities in mainland China

The Committee on Scholarly Communication with the People's Republic

of China is sponsoring three national programs of scholarly exchange with that country.

The Graduate Program and the Research Program support U.S. scholarly interests by providing opportunities for study and research at Chinese universities and research institutes.

The Visiting Scholar Exchange Program, which supports both Chinese and U.S. scholars, is designed to enhance intellectual discussion and make significant contributions to academic exchanges in a given discipline.

Application is open to U.S. citizens and permanent residents regardless of national origin, race, sex, or religious affiliation.

Funding is provided by the United States Information Agency, the Department of Education, the National Endowment for the Humanities, the National Science Foundation, and the Starr and Ford foundations.

The postmark/mailling deadline for application to the graduate and research programs is Oct. 6. Deadline for the Visiting Scholar Exchange Program is Oct. 29.

For more information, contact CSCPRO National Academy of Sciences, 210 Constitution Ave, NW, Washington, D.C. 20418.

## Edgar's nightclub available to groups for showing films

Edgar's, the University Union's nightclub, is available to campus departments and organizations on Monday, Tuesday and Wednesday afternoons for the showing of educational films.

You'll be able to use the nightclub's large-screen TV, sound reinforcement equipment and video home system (V.H.S.) but you'll have to provide your own film or video.

Plus, you should plan for your film to end at or before 5:45 p.m.

Reservations and arrangements for using Edgar's should be made well in advance, (about two weeks ahead), according to the Union.

To make reservations or to get more information, call 656-2156 or 656-2461.



The Clemson University Newsletter is published for Bob Towe, media resources coordinator in the Communication Center, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barre  
Production Assistant \_\_\_\_\_ Carla Reeve

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

## Architecture college accepting entries for national exhibit

The College of Architecture is accepting entries for the Second Clemson National Print and Drawing Exhibition Feb. 1-March 4, 1985.

The exhibition is open to all artists

over the age of 18 from anywhere in the United States.

Entries must be on paper and can include any print or drawing medium except photographs unless they are used in traditional print or drawing techniques. Entry fee is \$10.

Each artist may submit three works by slide for the first jurying. Slides are due Oct. 31. Works accepted for second jurying will be due Jan. 25, 1985.

The exhibition, sponsored by the Clemson Architectural Foundation and the College of Architecture, will be juried by Howard N. Fox, associate curator for exhibitions at the Hirshorn Museum in Washington, D.C.

For more information, write to Prospectus, Second Clemson National Print and Drawing Exhibition, Rudolph E. Lee Gallery, College of Architecture, Clemson University, Clemson, S.C., 29631.



**Making friends with a floppy disk --** Pat Edmunds, left, a computer programmer in the agricultural economics and rural sociology department, and Joyce Graham, a professor of agronomy and soils, discuss the finer points of the floppy disk during a recent meeting of Linkup, a new organization sponsored by the College of Agricultural Sciences for users and potential users of computers. Linkup meets at 2 p.m. on the first and third Fridays of each month. Meeting locations vary depending on the number of participants present. Call Edmunds at 656-2396 for more information.

## Nomination deadline for Who's Who rapidly approaching

The deadline for nominating students for inclusion in the next edition of Who's Who Among Students in American Universities and Colleges is 4:30 p.m. this Monday, Sept. 17.

Memos inviting nominations and nominating forms were mailed late last month by the Student Life Office to vice presidents, deans, directors, department heads, faculty members, and selected staff members.

If you want to nominate a student but didn't get the mailing or can't find it now, call Lynn Earle in the Student Life Office at 656-2153.

Send nomination forms to Earle at 201 Mell Hall.

Only seniors who may graduate through August 1985 will be considered for Who's Who. Transfer students must have completed a minimum of 30 credit hours here.

Nominees must have grade-point ratios of at least 2.1.

Other selection factors include extra-curricular activities, citizenship, service to school, and promise for future usefulness.

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**NATIONAL**

**HIGHER EDUCATION**

**WEEK 84** October 13 to 20, 1984

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# Centennial Committee seeks your ideas for the celebration

Members of the University Centennial Committee have the future in mind. They're also thinking a lot about the past.

They invite you to do the same.

The committee will spend this semester studying and developing general plans and guidelines for observing the University's centennial, which will occur in 1989, says committee chairman Jerry Reel, vice provost for undergraduate studies.

"All Clemson students, staff and faculty members, alumni, and friends are invited to send any ideas that they have for projects for aspects of the centennial program to me in 209 Sikes Hall,"

Reel says.

He, in turn, will submit each idea to the appropriate centennial study committee.

The study committees and their chairmen are:

- Goals and Themes -- Victor Hurst, retired vice president for academic affairs;
- Academic Activities -- Horace Fleming, director of the Thurmond Institute;
- Student Activities -- Walter Cox, vice president for student affairs;
- Alumni Activities -- George Moore, associate vice president for institutional advancement and executive officer for

alumni relations;

• Off Campus/Community -- Barret Lawrimore, president of the Extension Senate;

• Cultural and Campus -- Mabe Wynn, an assistant professor of parks recreation and tourism management;

• Public Relations -- Harry Durham, associate vice president for University Relations;

• Memorabilia -- Joe Turner, executive secretary of IPTAY.

"The Centennial Committee hopes that all the Clemson family will help develop the general plans and guidelines for our centennial observance," Reel says.

For your convenience, please use this form for submitting your ideas to Reel. Just fill in the blanks, tear off the page and send it to him at the address shown.

### Clemson Centennial Idea Proposal

Mail this form to:

J.V. Reel Jr., Chairman  
Clemson Centennial Committee  
209 Sikes Hall, Clemson University  
Clemson, S.C. 29631

Name of Proposer: \_\_\_\_\_

Telephone: \_\_\_\_\_

Address: \_\_\_\_\_

Idea: \_\_\_\_\_

Lined area for writing the proposal idea.

**FILMS AND DRAMA**

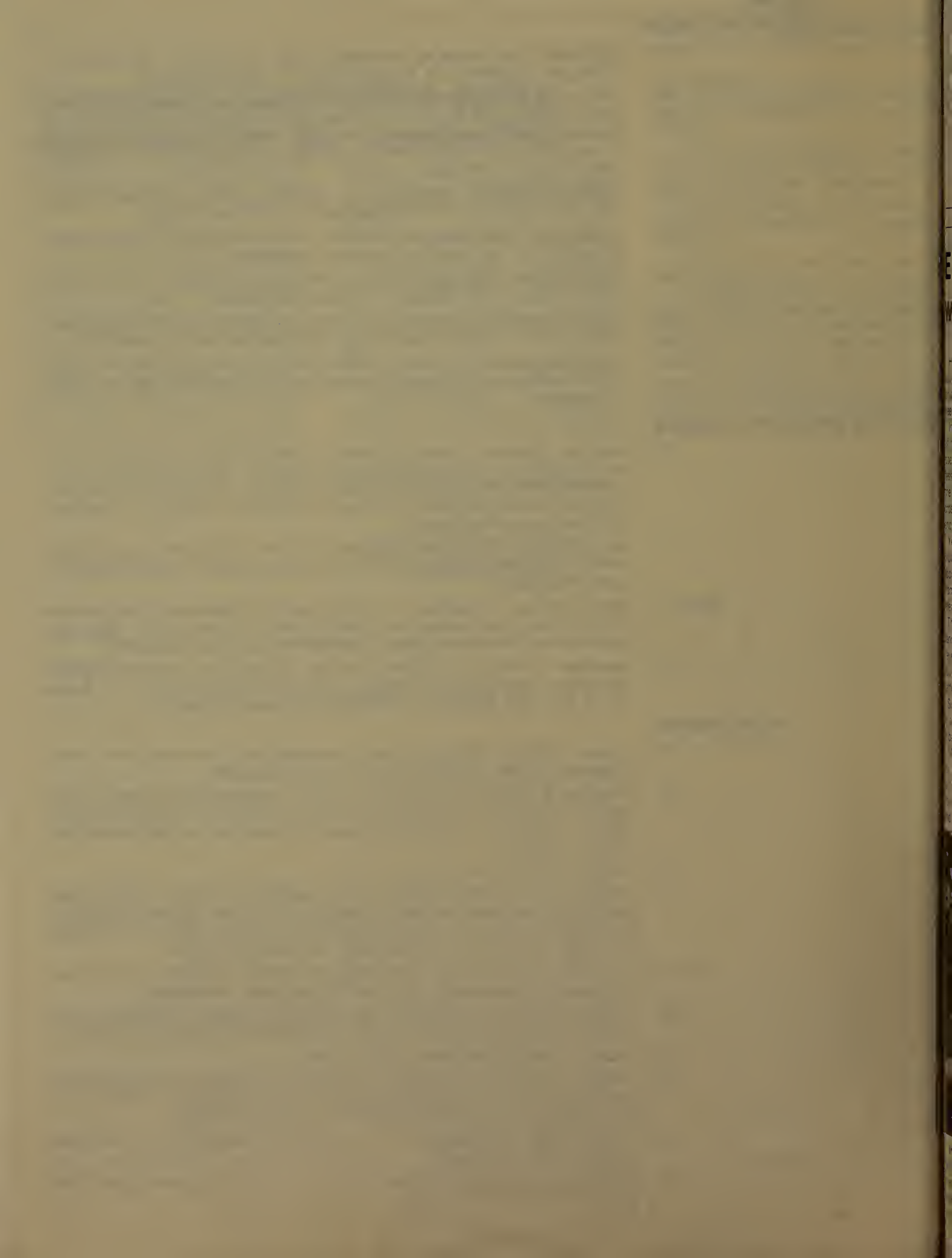
- 14-15 "Silkwood." Sponsored by University Union, Y-Theater, 7 and 9:30 p.m., \$1.50 with University I.D. Call 656-2461 for more information.
- 15 Performing Artist Series: The Alabama Shakespeare Festival's performance of "Arms and the Man." Sponsored by the University Union and the Clemson Alumni Association, Tillman Hall Auditorium, 8 p.m. Tickets, \$5 for students, \$7 for public, are on sale at the Union Box Office. Call 656-2461 for more information.
- 16 "Yellow Submarine." Sponsored by University Union, Y-Theater, 8 p.m. Free with University I.D. Call 656-2461 for more information.
- 17 "Goldfinger." Sponsored by University Union, Y-Theater, 8 p.m., \$1 with University I.D. Call 656-2461 for more information.
- 19 "Moonlighting." Sponsored by University Union, Y-Theater, 7:30 p.m., \$2, open to public. Call 656-2461 for more information.
- 20 "La Marseillaise." Sponsored by College of Liberal Arts, 200 Hardin Hall, 7:30 p.m. Free. Open to public. Call 656-3263 for more information.
- 20-22 "An Officer and A Gentleman." Sponsored by University Union, Y-Theater, 7 and 9:30 p.m., \$1.50 with University I.D. Call 656-2461 for more information.

**MEETINGS AND SHORT COURSES**

- 14 Meeting: Clemson Chapter of American Association of University Professors. University Trustee James Bostic speaks on "What University Professors Ought to Know About Trustees," Clemson Holiday Inn, 7:30 p.m., preceded by dinner at 6:30 p.m. and cocktail hour at 5:30 p.m. Call 656-3133 for more information.
- 17 Short Course: "Makeovers by Merle Norman." Sponsored by University Union, 6 p.m. Free. Sign up at Union Information Desk. Call 656-2461 for more information.
- 19, 22-23 Short Course: "Kayaking #1." Sponsored by University Union, course includes classroom instructions, practice and a mini-expedition, \$20. Sign up at Union Information Desk. Call 656-2461 for more information.
- 21 Meeting: "Linkup," an organization for all users and potential users of computers. Sponsored by College of Agriculture, Room D-135, P&A Building, 2 p.m. Call 656-3102 or 656-2396 for more information.

**OTHER EVENTS**

- 15 Medical College Admission Test. Sponsored by Counseling and Career Planning Center. Call 656-2451 for more information.
- 15 President's Reception for Faculty and Staff. President and Mrs. Bill Atchley invite all members of the faculty and staff to a reception at the President's Home, 7-10 p.m. In the event of rain, the reception will be held at the Clemson House.
- 16 Soccer: North Carolina, 2 p.m., here.
- 17 Carolina Journal. Parr Rosson III, an assistant professor of agricultural economics and rural sociology, talks about the Agricultural Trade Conference. Sponsored by University Relations, 7:30 p.m., S.C. ETV, Channel 29 (Cable Channel 2). Call 656-2061 for more information.
- 17-21 Senior Adventure Camp. Sponsored by parks, recreation and tourism management department. Call 646-7502 for more information.
- 18 Student placement orientation. Sponsored by Student Placement Office, Student Senate Chambers, 9:30 a.m. Call 656-2152 for more information.
- 19 Soccer: Appalachian State, 8 p.m., here.
- 19 Co-op Career Day, with special emphasis on freshmen and sophomores. Sponsored by Cooperative Education, Palmetto Ball Room, 9 a.m.-3 p.m. All students welcome. Call 656-3150 for more information.
- 20 "Pierce Pettis." Sponsored by University Union, the Gutter, \$1. Call 656-2461 for more information.
- 21 College Bowl sign-up deadline. Sign up at Union Information Desk. Call 656-2461 for more information.



# Newsletter

SEP 20 1984

Sept. 19, 1984

(vol 24, no. 5)

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Engineering professor relaxes with enduro motorcycle racing

by Dorrie Harllee

His machine is fast, his boots are cuffed and muddy, his racing helmet protects the mysteries of electrical engineering.

In a transformation comparable to that of the "Incredible Hulk," Albert Duke goes from a reserved, soft-spoken professor of electrical engineering during the week to a fast-paced, "go-for-it" cross country motorcycle racer on weekends.

Yet, the transformation from college professor to enduro racer is not brought about by a raging anger or meteorites from space. Duke allows himself this release because "It's fun!" he says.

Then he adds, "And there is a little anger involved, perhaps, although I've never had any serious accidents. It's about like a football game as far as getting hurt."

Since enduro racers compete primarily against themselves, they do not "race" to beat others.

"We keep time," says Duke, a professor here since 1972. "You're not trying to beat somebody. It's kind of like golf: you're competing against the course and yourself. The object is to maintain

an average speed of 24 miles per hour throughout the race."

Maintaining that speed is no easy ride in enduro racing. "The club sponsoring the race will have a check when you go into a tough section, like thick woods," says Duke. "If you're early getting there, you're heavily penalized and almost everybody else is late getting out, so you're penalized again."

"Everybody else" describes the sometimes up to 400 racers who gather on weekends for events sponsored by the Southeastern Enduro Trail Riders Association (SETRA). From August to May, SETRA sponsors about 20 races that individually cover 60-120 miles of cross country dirt roads and paths.

Races can last anywhere from four to six hours -- a long time to be sitting on a motorcycle regardless of your age.

"Al is by far the oldest, but also by far the fastest," says Neil Ogg, a pesticide coordinator here and fellow SETRA racer. Duke races in the "Super-Senior" division, which is for anyone over 45.

A racer since 1978, Duke was recently asked to sponsor the Clemson Dirt Riders, a student group of 12. He gladly

accepted and is looking forward to a "lot of good racing and good socializing."



Barker

## Anderson agent gains national recognition for service record

The South Carolina Association of Agricultural Agents has presented Anderson County Agent Jesse E. "Jake" Barker with a Distinguished Service Award, an honor that won him recognition during the National County Agents Meeting Aug. 19-23 in New Orleans, La.

Barker, a veteran of 25 years with the Extension Service, was cited for his work on various Extension programs in Anderson County, especially his efforts in helping to develop a major livestock program in the area.

He has helped promote the Beef Cattle Improvement Association among the county's beef producers and has coached 10 state champion livestock judging teams. He was also singled out for efforts to set up an agricultural forum with Congressman Butler Derrick for a three-county area and for promoting agriculture through the mass media.

Barker earned his bachelor's degree in animal science here and his master's at the University of Tennessee. He joined Extension in 1959 as an assistant agent in the Anderson office.

Barker is chairman of the Piedmont District Chapter of the Extension fraternity, Epsilon Sigma Phi, and chairman of the board of directors of the First National Bank Agricultural Foundation.

He has served as a member of the University's State Livestock Committee, of the Soil Conservation Service Model Implementation Program, and of the board of directors for the Anderson Fair. He also supervises the agricultural exhibits for the annual fair.



**Incredible Duke** -- That's Al Duke, a professor of electrical engineering, hiding somewhere in all that racing garb. On weekends Duke breaks out of his mild-mannered professorial role to engage in his favorite pastime, cross country enduro racing. Duke is a member of the Southeastern Enduro Trailriders Association, which from August through May sponsors about 20 cross country races in the area.



Gentry

## Skelton appoints new executive assistant

Admissions dean Bob Skelton, assistant vice president for student affairs, has announced the appointment of Frank Gentry as executive assistant to the dean of admissions and registration.

Gentry fills the position vacated by Albert "Woody" Marx, who retired in June.

Gentry joined the University in 1975 as assistant director of financial aid. In 1980 he became associate director of admissions, a position he held until his most recent appointment.

Gentry earned both his bachelor's degree in economics and his master's degree in personnel services here.

## Boleman announces two staff changes in purchasing

Purchasing director Jimmy Boleman has announced two staff changes in the Purchasing and Supply Services Division.

Pamela G. Hassan, who received her bachelor's degree in economics from Spelman College in Atlanta, Ga., has joined the staff as a procurement officer.

She also has duties as the University's liaison officer for the Minority Business Program, part of the South Carolina Consolidated Procurement Code.

David L. Palmer, previously assistant director of purchasing, has been promoted to information technology officer. In this position Palmer will be responsible for all information technology procurements for the main campus, Experiment Stations, Extension Service, and departments and offices of the University located throughout the state.

He will coordinate the University's information technology plan, required by the state Consolidated Procurement Code for agency certification.

Palmer, a graduate of Central Wesleyan College in Central, earned his bachelor's degree in administration.

## Przirembel becomes a Fellow of ASME

He was once just a fellow, but now he is a Fellow. Mechanical engineering department head Christian E. G. Przirembel has been named a Fellow of the American Society of Mechanical Engineers.

The Fellow grade is conferred upon members who have at least 10 years of active engineering practice and who have made significant contributions to the engineering field.

Przirembel earned his bachelor's, master's and doctoral degrees from Rutgers University. After serving for four years as associate dean for academic affairs in the College of Engineering at Rutgers, he joined the faculty here in 1981.



Przirembel

Przirembel supervises research programs in thermal/fluid science, applied mechanics, and mechanical and manufacturing systems design. He has served on the Operating Boards on Public Information and Engineering Education and as Vice Chairman of ASME.

He is an associate Fellow of the American Institute for Aeronautics and Astronautics, and a member of the American Society of Engineering, Tau Beta Pi, and Sigma Xi.

## Kerr-McGee president to speak at seminar

James L. Rainey, president of Kerr-McGee Chemical Corp. of Oklahoma City, Okla., Sept. 20 will lead off this semester's series of Distinguished Chemical Industry Business Seminars.

Rainey will speak on the need for better communications skills among college students majoring in the sciences.



Seminars will be held at 11 a.m. in Ear Hall Auditorium and at 4:30 p.m. in Room 131 of Brackett Hall.

The seminars, which are open to the public, are sponsored by the College of Sciences and the chemistry and geology department.

## News, information await your touch in C-Tex terminals

The latest University news, weather and sports are at your fingertips -- that is, you're standing in front of the C-Tex terminal nearest you.

There, ready to appear at your command, are announcements of what's happening on campus today and what's coming up in the weeks ahead, current headlines in University news and sports, the latest weather summaries, classified and student job listings, a Clemson trivia quiz, and a wide assortment of other information -- from the Visitors Center hours of operation to the names of more than 200 student organizations.

C-Tex, a Computer Center research project, makes use of a computerized communications technology called videotex. Through this system, University news and information are displayed on the screens of TV-like monitors in Hoge Dining Hall, the loggia, the Sales Center, the P&A Building lobby, and the Computer Center lobby.

You select the item you want to know more about from a list -- or "menu" -- displayed on the screen. Next to each monitor is a keypad, and you make your selection by pushing the key that corresponds to the number of the item you want to investigate.

University Relations, through its publications and graphics services department, is working with the Computer Center by developing formats and procedures for and providing the news and information displayed through C-Tex.

If you've got news or other information you'd like to see on C-Tex, call the publications and graphics services department at 656-2467.

The Clemson University Newsletter is published for Tallahassee, West, Extension agent in Pickens County, and for all other members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKen  
Assistant Editor \_\_\_\_\_ Joyce D. Barr  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call at 656-2467 or write us at 103 Fike Center.





# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

**Sept. 21-28**

## **KSHOPS, SHORT COURSES AND MEETINGS**

- 21 Meeting: "Linkup" -- an organization for all users and potential users of computers. Sponsored by College of Agriculture, Room D-135, P&A Building, 2 p.m. Call 656-3102 or 656-2396 for more information.
- 23 Short Course: "Whitewater Kayaking." Sponsored by University Union. Cost, \$45, includes instructions, equipment and a mini-expedition. Sign up at Union Information Desk, or call 656-2461 for more information.
- 24 Short Course: "Aikido," the art of self-defense. Sponsored by University Union, \$6. Sign up at Union Information Desk or call 656-2461 for more information.
- 24-26 Short Course: "Training the Trainer." Sponsored by Office of Professional Development, Serrine Hall. Call 656-2200 for more information.
- 25 Short Course: "Beginning Judo." Sponsored by University Union, 8-9 p.m., \$15. Sign up at Union Information Desk, or call 656-2461 for more information.
- 25-27 Workshop: "Use of Vibration Measurements for Machine Health Monitoring." Sponsored by Continuing Engineering Education, 302 Rhodes Hall. Call 656-3308 for more information.

## **LECTURES**

### **HIGHER EDUCATION**

Where are We Headed by the Year 2000?

John A. Crowl, vice president and publisher of The Chronicle of Higher Education, will address this and other educational issues -- including how Clemson can organize the academic environment needed to prepare students for the future -- during the President's Fall Honors Convocation Sept. 24. Crowl, who has studied trends in education for the past 26 years (with 18 of those spent at The Chronicle), will be speaking in Tillman Hall Auditorium at 8 p.m. The address is free and open to the public.

- 25 "Ethics in Journalism" by Judy Jacklin Belushi, widow of actor John Belushi. Sponsored by Speakers Bureau, Tillman Hall Auditorium, 8 p.m. Call 656-2195 for more information.
- 27 "Religious Roots of a Paranoid Rhetoric: Reflections on the Crucial Decade" by Robert P. Newman, a professor of rhetoric and communication at the University of Pittsburgh. Sponsored by College of Liberal Arts, Tillman Hall Auditorium, 8 p.m. Call 656-3263 for more information.
- 28 "The Lingering Poison of McCarranism" by Robert P. Newman, a professor of rhetoric and communication at the University of Pittsburgh. Sponsored by College of Liberal Arts, Ramada Inn, Clemson, 8 p.m. Call 656-3263 for more information.

# THE EVENING

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Telephone No. 2511.


## FILMS AND DRAMA

- 21-22 "An Officer and a Gentleman." Sponsored by University Union, Y-Theater, 7 and 9:30 p.m., \$1.50 with University I.D. Call 656-2461 for more information.
- 23 "True Grit." Sponsored by University Union, Y-Theater, 8 p.m. Free. Call 656-2461 for more information.
- 25-29 A Clemson Players' production -- "Come Back to the 5 & Dime, Jimmy Dean, Jimmy Dean." Daniel Hall Auditorium, 8 p.m. (3:30 p.m. matinee, Sept. 27). Tickets \$2, public, \$1, Clemson faculty and staff, free to University students. Call 656-2476 for more information.
- 26 "In a Year of Thirteen Moons." Sponsored by College of Liberal Arts, Y-Theater, 7:30 p.m. Open to public, \$2. Call 656-3263 for more information.
- 27-29 "Footloose." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m., \$1.50. Call 656-2461 for more information.

## OTHER EVENTS

- Through Nov. 15 YMCA Volleyball Clinic. Sponsored by Clemson University YMCA, Thursdays from 6-8 p.m. at the recreation area. Call 656-2361 for more information.
- Through Nov. 1 University scholarship make-up period. Call 656-2280 for more information.
- Through Nov. 15 "Dancin' Aerobics." Sponsored by Clemson University YMCA, YMCA recreation area. Open to adults and teenagers. Call 656-2361 for more information.
- 14-Oct. 31 Exhibit: "The Rare Book Collection of the Robert Muldrow Cooper Library," featuring examples of outstanding items from its holdings. Located in main lobby, Cooper Library, and Special Collections Reading Room, level 2. Call 656-3024 for more information.
- 21 College Bowl sign-up deadline. Sign up at Union Information Desk. Call 656-2461 for more information.
- 21 "The Killer Whales." Sponsored by University Union, Edgar's, 9 p.m., \$2. Call 656-2461 for more information.
- 22 Horseback riding. A group will be riding on trails around Clemson. Sponsored by University Union, 9:30-2:30 p.m., \$13.50. Sign up at Union Information Desk. Call 656-2461 for more information.
- 23 Comedian/hypnotist Tom Deluca. Sponsored by University Union, Tillman Hall Auditorium, 8-10 p.m. Admission, \$3 for students and \$4 for public, advance and at the door. Call 656-2461 for more information.
- 24 Placement Orientation. Sponsored by Student Placement Office, Student Senate Chambers, 10:10 a.m. Call 656-2151 for more information.
- 24 Carolina Journal. President Bill Atchley will have a "Clemson University Update." Sponsored by University Relations, S.C. ETV, Channel 29 (Cable Channel 2), 7:30 p.m. Call 656-2061 for more information.
- 25 College Bowl: Intramurals will be held every Tuesday through Oct. 30 from 6-11 p.m., Senate Chambers. Sponsored by University Union. Cost is \$5/team or \$1/person.
- 26 Soccer: Erskine College, 8 p.m., here.
- 26 Accounting and finance recruiter's picnic. Sponsored by accounting and finance department, Beta Alpha Psi, Accounting Club, and Finance Club, Outdoor Lab, 4:30-8:30 p.m. Free. Call 656-3265 for more information.
- 27 "Stop Smoking Clinic." Sponsored by S.C. Chapter of the American Lung Association and Clemson University YMCA. Sessions held at the University YMCA, 7:30 p.m. Call 656-2361 for more information.
- 27-28 "The Heartfixers." Sponsored by University Union, Edgar's, 9 p.m., \$2. Call 656-2461 for more information.
- 28-29 Forerunner '84 Conference. Speakers, Sam Lopez, promotion manager for "The Cause," and John Hopley, attorney and pastor with the Great Commission Church in Washington, D.C. Sponsored by Campus Christian Fellowship, Tillman Hall Auditorium. Call 654-2457 or 654-4833 for more information.





OCT 1 1984

# Newsletter

September 26, 1984  
Vol 24 No 6

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Alcohol use guidelines suggested for advisers of student functions

In light of the University's revised alcohol-use policy, the Office of Student Life has a few party-planning hints for faculty and staff advisers of student organizations.

The new policy, implemented this semester in the wake of the state's higher minimum legal drinking age for beer and wine (19 for now, 20 as of Jan. 1, 1985), requires that all campus activities involving beer or wine must be registered with the appropriate administrative office, depending on the location of the event.

Activities in club rooms, chapter rooms and fraternity lounges must be registered with Student Life (201 Mell Hall). Activities in University housing lounges (except for fraternity lounges) must be registered with the Housing Office (200 Mell Hall).

Activities in University Union facilities and outdoor areas must be registered with the Union (on the loggia), and activities in the Clemson House must be registered with the Clemson House manager.

The collegiate deans are responsible for registering activities held in academic areas.

At the time of registration, an individual from the sponsoring group must sign a statement accepting responsibility for complying with the minimum drinking age and must submit a plan for checking proof of age.

Activities will not be approved if a majority of the participants are below the minimum drinking age.

Also, the sponsor has to provide "sufficient quantities of soft drinks" along with the beer or wine, according to the policy.

Given these new requirements, says Kirk Bague, associate dean of student life, informed and involved faculty and staff advisers can be a big help to student organizations planning social events.

Bague says advisers need not feel any greater obligation to attend club social events now than before the drinking age went up. But, he says, advisers may want to become more active in

helping groups develop reasonable, workable plans for complying with state law and University policy.

Here are some hints he has for advisers of groups planning to serve beer or wine at club functions. The group should:

- "Have control of the serving." That means the group should have a clear plan for checking I.D.'s to avoid serving anyone under age and for refusing to serve anyone who has already drunk too much.

- Provide "an alternative beverage" for participants who can't legally drink the beer or wine or who choose not to drink it. Also, he says, it helps to serve food as well as drink.

- Provide transportation for participants, especially for off-campus events, so that participants who drink will have no excuse for driving.

"Also," says Bague, "there are some types of organizations that, because of the age of most of their members, shouldn't consider serving alcohol at all."

A group with a predominantly freshman membership, for example, might have only two or three members old enough to drink beer or wine legally, he says. It wouldn't make much sense, therefore, for that group to plan an event involving alcohol. (Besides, the event would not get administrative approval anyway.)

Bague says advisers with questions about the revised alcohol-use policy should call the Office of Student Life (2153).

Student Life is also willing to advise and work with other administrators, such as the collegiate deans, who now find themselves responsible for registering and approving events to be held in certain buildings and areas of the campus.

Joy Smith, dean of student life, says she'll gladly go over with other administrators the procedures and forms that Student Life, Housing and the Union are using to register events.

And she, along with Bague, emphasizes that advisers can have a strong,

positive influence on students trying to understand and comply with the new alcohol-use policy.

Says Smith: "We don't have a lot of students out there who are trying to break the law. What we have is students who are trying to plan their events by going by the rules, and they need an adviser's help."

"Now more than ever is the time we need good, solid advisers for our student organizations."

## Enrollment tops 12,000, a first for Clemson

For the first time in history, on-campus enrollment here has topped 12,000.

Figures released Sept. 5 for the fall semester show an on-campus enrollment of 12,122 -- up 2.5 percent from last fall's 11,828.

Women make up 42 percent of the student body. Minority students still make up less than 5 percent of the student body, but minority enrollment is up 11.8 percent over 1983.

Frank Gentry, executive assistant to the dean of admissions and registration, said a rise in enrollment was not really expected this year because of a general decline in the college-age population.

But of those students who were accepted, more than expected decided to enroll. The freshman class is up 3 percent from last year, from 2,122 in 1983 to 2,188 this fall.

A large freshman class is not the only factor in the enrollment boost. Fewer students have withdrawn or transferred, and the number of graduate students rose from 1,641 in 1983 to 1,691 in 1984.

The most popular majors here continue to be in the College of Engineering, in which 3,511 students are enrolled. The College of Commerce and Industry follows with 2,510 majors.

Gentry said off-campus enrollment figures are not yet available. Registration for these programs, including graduate courses in education and the Clemson at Greenville TEC program, is still in progress.

## OUR needs research grant applications before Nov. 2

Applications for University Research Grant Committee funds should be in the Office of University Research (E-102 Martin Hall) not later than Nov. 2, 1984.

The committee accepts applications from faculty holding tenure/tenure-track positions with titles of "assistant professor," "associate professor" or "professor."

The committee makes awards to new faculty, to faculty members redirecting research interests, and to faculty members in areas where research support is inadequate or nonexistent.

Application forms and instructions are available, on request, in the Office of University Research. The committee will consider only those applications using the committee application form.

If you have questions or wish further information, please call the Office of University Research at 656-2375.

## Pre-retirement seminar set for Oct. 3-4

Now that you've retired, what are you going to do? Maybe the time to begin answering that question is before you retire.

With that in mind, the Personnel Division is offering another seminar to help employees plan for their retirement years.

Debbie King, personnel assistant, says Phyllis Gardner from the South Carolina Retirement System will present another Pre-retirement Education Seminar here Oct. 3-4.

If you are within 15 years of retirement, says King, the seminar may help to set you on the right track to planning for your leisure years.

Topics covered during the seminar will include: benefits under the S.C. Retirement System and Social Security Administration; health and life insurance benefits; wills and estate planning; finances and investments; and health and leisure information.

King says that reservations for this seminar will be accepted on a first-come, first-served basis. Spouses, also, are welcome to attend, she says, but they must be registered in advance.

For more information, or to make a reservation, call King in the Personnel Division at 656-2426.



**Computer precision** -- Charting 276 musicians, flag bearers and twirlers into marching formations used to take from 40 to 60 hours to complete by hand. But since band directors Bruce Cook (background) and Rick Goodstein began using the computer to design formations, that time has been drastically reduced. The computer program allows the directors to design their own formations and convert the shapes from a visual image to computer language. This gives the flexibility to move the shape of the formation and still know the precise placement of band members. Although other school bands in the country have adapted the computer to this use, Cook and Goodstein believe Clemson's band is the only one in the Atlantic Coast Conference to use it.

## Library survey to measure use and opinions

The Cooper Library is distributing this fall a "Library User Survey" to a randomly selected sample of the faculty and student body.

Leslie Abrams, head of the Gunnin Architectural Library, says the survey will be mailed out in late September or early October and will measure the frequency of use of the library and its services.

In addition, she says, the survey will help determine the degree of patron satisfaction with certain library services, including reference, public documents, bibliographic instruction, interlibrary loan, and online bibliographic services.

"The data gathered," says Abrams, "will assist the library in evaluating its current services and planning for future improvements and program enhancements."

Since, says Abrams, an accurate and useful evaluation of library services depends upon a high percentage of surveys returned, she urges you to complete and return the survey (through interoffice mail).

She emphasizes that all responses will remain confidential.

## See the World's Fair with package deal from Travel Center

Three nights in the Landmark Bourbon Hotel in the historic French Quarter, a



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Editor \_\_\_\_\_ Jack A. McKenzie  
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Production Assistant \_\_\_\_\_ Carla Reeve

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two-day World's Fair ticket, and an optional two-hour tour of the Mississippi River aboard the legendary "Creole Queen" -- all this is a part of the travel package now being offered by the University Union Travel Center.

The New Orleans package includes chartered bus transportation and daily shuttle service to and from the World's Fair. The cost is \$189 per person (quad-occupancy) or \$237 per person (double-occupancy) for the three-night stay, Nov. 2-5.

A \$100 deposit is due at the time you sign up, and the balance of the cost is due by Oct. 11. You may sign up at the Travel Center on the loggia or call 656-2461 for more information on this and other travel packages available.

## Departmental Notes

Announcements of professional accomplishments of faculty and staff members appear in the last Newsletter of each month.

### ADMISSIONS

L.B. Harris (Asst Dir) coordinated a workshop for new admissions counselors in North and South Carolina at Sacred Heart College, Belmont, N.C., Aug. 6-7. She is currently serving as vice president of the Carolina's Association of Collegiate Registrars and Admissions Officers (CACRAO) and, in November, will become president-elect of the association.

### AGRICULTURAL EDUCATION

J.A. Hash (Prof) chaired a session and demonstrated a tutorial computer program on the farm financial statement during the Media Fair at a national workshop, "Moving Toward Excellence in Supervised Occupational Experience/Future Farmers of America," in Washington, D.C., July 22-27. The workshop was sponsored by DEKALB Ag Research, Inc. and the U.S. Department of Education.

R.J. Mercer (Prof) gave two presentations on courseware generation using the Apple IIe computer at the annual conference "Microcomputers and High Technology in Vocational Education" in Madison, Wis. He attended four half-day raining sessions on: "Electronic Spreadsheet for Voc Ed Applications"; "Courseware Designs for Voc Education"; "Data Base Management -- Voc Ed Applications"; and "Teaching Robotics in Voc Ed."

### AGRICULTURAL ENGINEERING

The following have received funding or research and related activities:

J.G. Alphin (Prof)-- \$17,500 from Phillip Morris for tobacco curing research.

G.D. Christenbury (Prof) -- \$10,000 from the Energy Research and Develop-

ment Center to conduct energy auditing of tobacco curing barns.

M.J. Delwiche (Asst Prof) -- \$24,426 from the USDA Marketing Service for "Development, Implementation, and Analysis of Maturity and Quality Standards for Southeastern Peaches."

J.R. Lambert (Prof) -- \$54,000 and \$16,200 grants from the Cotton Foundation, National Cotton Council for "Crop Simulation as a Real-Time Decision Making Aid in Cotton Production"; \$2,625 from Garnay, Inc. of Sumter for "Irrigation Scheduling on Ginko"; and \$62,000 from the Department of Energy for "Response of Vegetation to Elevated Levels of CO<sub>2</sub>."

F.A. Payne (Assoc Prof) -- \$50,000 from the Department of Energy for "Evaluating Recently Developed Two-Stage Combustor Technology for Small Scale Applications."

J. Zirschky (Grad Asst) and J.T. Ligon (Prof) -- \$2,000 Provost Research Award for "Spatial Analysis of Hazardous Waste Site Data" and Prof. Ligon -- \$23,000 from USDA for continued research with peach tree short life.

The following papers were presented at the American Society of Agricultural Engineers (ASAE) meeting in Knoxville, Tenn., June 24-27:

-- "Poultry Lagoon Odor Correlations in South Carolina" by C.L. Barth (Prof).

-- "Teaching Psychrometric and Grain Drying Through Computer-Aided Laboratory Exercises" by J.M. Bunn (Prof).

-- "Water Use by Corn on a Coastal Plain Soil" by C.R. Camp (Adj Assoc Prof), D.L. Karlen (Adj Asst Prof, Agro) and E.J. Sadler (Soil Sci) USDA-ARS, Florence.

-- "A Diesel-Hydraulic Oyster Harvester Drive System" by J.A. Collier (Assoc Prof).

-- "Reducing Chain Saw Injuries" by J.W. Davis (Vstg Inst) and D.L. Roberts (Prof).

-- "Energy Requirement for Subsoiling Coastal Plain Soils" by T.H. Garner (Prof), W.R. Reynolds (Vstg Inst), H.L. Muser (Prof, Agro), G.E. Miles (Assoc Prof, Ag Eng, Purdue Univ., W. Lafayette, Ind), D. Wolf (Sr Lect, Ag Eng, Technion IIT, Haifa, Israel) and V.M. Peiper (Hd, Testing Division, Ag Eng Inst, Bet Dagan, Israel).

-- "Simulated Cotton Growth in Tilled Hard Soils" by J.R. Lambert (Prof) and I. Meirson (Engr, IBM, Haifa, Israel).

-- "NWS/University Cooperative Agricultural Weather Programs" by D.E. Linvill (Assoc Prof).

-- "Effect of Woodchip Size on Gasifier -- Combustor Operation" by F.A. Payne (Assoc Prof), J. Dunlap (Grad Stu) and P. Caussanel (Undergrad Stu).

-- "Predicting Tractor-Tillage System Performance by Computer Simulation" by D. Wolf (Sr Lect, Ag Eng Dept., Technion IIT, Haifa, Israel) and V.M.

Peiper (Hd, Test Div, Ag Eng Inst., Bet Dagan, Israel).

The following presided over technical sessions at the ASAE meeting:

-- G.D. Christenbury (Prof), "Advancing Special Crop Processing."

-- L.C. Godbey (Ag Eng, USDA-ARS), "Cost and Energy Conserving Construction Techniques."

-- R.A. Spray (Prof), "Engineering Technology in Youth Programs."

### AGRONOMY AND SOILS

The following papers were presented at the World Soybean Research Conference III at Iowa State University in Ames, Iowa, Aug. 12-17:

-- "Stability Parameters of Selected Soybean Cultivars in the Southeastern United States" by E.R. Shipe (Assoc Prof) and J.S. Rice (Prof);

-- "Seed Growth and Yield at Different Locations in the Soybean Canopy" by S.U. Wallace (Asst. Prof);

-- "Effect of Minimum Tillage and Crop Rotation on Soybean Production in the Southeastern Coastal Plain" by J.H. Palmer (Prof), H.L. Muser (Prof) and V.L. Quisenberry (Prof).

### AQUACULTURE, FISHERIES, AND WILDLIFE

A.G. Eversole (Prof) and W.D. Anderson (SC Wildf & Mar Res) presented the following papers:

-- "Arks -- Is There a Resource and a Market?" at the 76th annual meeting of National Shellfisheries Association in Tampa, Fla., June 25-28;

-- "Whelk (*Busycon*) Fishery in the South Atlantic Bight" at the 50th annual meeting of the American Malacologist Union in Norfolk, Va., July 22-27.

T.T. Fendley (Assoc Prof) and J.R. Sweeney (Assoc Prof) presented lectures on the history of wildlife conservation and on wildlife ecology at the S.C. Chapter of The Wildlife Society's High School Teacher's Wildlife Conservation Workshop held at Webb Wildlife Center July 16-19.

L.D. Robinette (Prof and Actng Hd) was elected president of the S.C. Aquatic Plant Management Society at the society's annual meeting at Fort Johnson in Columbia Aug. 23.

### BIOENGINEERING

A.F. von Recum (Prof and Hd) presented an invited lecture on "Percutaneous Devices" at the Second World Symposium on Artificial Hearts in West Berlin, Germany July 16-18. The paper will be published in the proceedings of the meeting.

Prof. von Recum received a one-year \$11,000 grant from the American Heart Association, South Carolina Affiliate, to support his research on biocompatibility of implant materials.

(Continued on page 4.)

(Continued from page 3.)

### CHEMICAL ENGINEERING

J.M. Haile (Prof) gave two invited presentations -- "The Need for Standards of Quality in Computer Simulations of Matter" and "Determination of Intracellular Structure via Computer Simulation" -- at a workshop, "Constraint Techniques in the Simulation of Transport and Structural Phase Transitions," at the University of Paris, South Campus, in Orsay, France Aug. 20-31.

At that workshop Prof. Haile served as recording secretary for the subgroup on "New Molecular Dynamics Methods for Equilibrium Simulations." The workshop was jointly sponsored by the North Atlantic Treaty Organization (NATO) and the Centre European de Calcul Atomique et Moleculaire (CECAM).

Prof. Haile has received \$10,000, plus 10 CPU-hours on a Class VI computer, as a supplement to his current grant, "Computer Simulation Studies of Fluid Mixtures," which is supported by the Chemical and Process Engineering Division of the National Science Foundation.

Prof. Haile, M. Woods (Grad Stu) and J.P. O'Connell (Prof, CE, Univ of Fla) presented a paper, "Internal Structure of Spherical Surfactant Micelles From Computer Simulation," at the Gordon Research Conference on Water and Aqueous Solution at New Hampton School in New Hampton, N.H., Aug. 6-10.

R.W. Rice (Asst Prof) and S. Fung (Exxon Resrch and Eng Co, Florham Park, N.J.) are co-inventors for U.S. Patent No. 4,447,551, "Process for Reactivating Iridium-Containing Catalysts," issued May 8.

### CHEMISTRY

D.D. DesMarteau (Prof and Hd), P. Huppman, G. Kloter and K. Seppelt (Freie Universitat, Berlin) and J.S. Thrasher (Asst Prof, Univ of Ala) published a paper, "Pentafluoroselenium Isocyanate and Pentafluorotellurium Isocyanate,  $F_5Se-N=C=O$  and  $F_5Te-N=C=O$ ," in the *Journal of Inorganic Chemistry*, Vol. 23, No. 15 (1984).

Prof. DesMarteau and B.A. O'Brien (Vstg Asst Prof) published a paper, "Some Reactions of (Fluoroimido) tetrafluorosulfur," in *The Journal of Inorganic Chemistry* Vol. 23, No. 14 (1984).

Prof. DesMarteau, Prof. O'Brien, Prof. Thrasher, C.W. Bauknight (Grad Asst) and M.L. Robin (Res Assoc) published a paper, "N-Bromodifluoromethanimine," in *The Journal of the American Chemical Society*, 106, 4266 (1984).

Prof. DesMarteau and Prof. O'Brien published a paper, "Some Reactions of Sulfonyl Hypohalites With Sulfur Tetrafluoride," in *The Journal of Inorganic Chemistry*, Vol. 23, No. 6 (1984).

## Chemistry triples research funding

With five major grants received since July, 1983 the chemistry and geology department has tripled its outside funding during the fiscal year. In addition, the department has contributed more than a third of the \$3 million in research grants and contracts received in the College of Sciences.

Department head Darryl DesMarteau received a \$270,000 grant from the Department of Defense and a \$231,000 grant from the U.S. Army.

The National Science Foundation awarded a \$222,000 grant to chemistry Prof. Rudolph Abramovitch. J.C. Fanning, a professor of chemistry, received a \$164,000 grant from the Department of Health and Human Services. J.D. Peterson, associate dean of the College of Sciences, was awarded over \$217,000 by the Department of Energy.

### CIVIL ENGINEERING

S.C. Anand (Prof) served on the advisory committee and chaired a session, "Inelastic Nonlinear Response and Stability of Structures," at the 5th Engineering Mechanics Division Specialty Conference of ASCE at the University of Wyoming in Laramie, Wyo., Aug. 1-3.

Also at that conference, Prof. Anand presented a paper, "Creep Modelling for Composite Masonry Walls," which was written with B. Dandawate (Grad Asst).

### COMPUTER CENTER

A. Ghosh (Sys Prgmr II) presented a paper, "Comprehensive Computer Package for Thermal Processing," at the National Institute of Food Technology Conference in Anaheim, Calif., June 10-13.

### ELECTRICAL ENGINEERING

J.W. Lathrop (Prof) gave two lectures -- "VLSI Reliability" and "The History of the Integrated Circuit" -- to faculty and students at the University of Natal and Rand Afrikaans University in Johannesburg, at Stellenbach University in Cape-town and NEERI in Pretoria, South Africa, July 30-Aug. 10. He was an invited speaker for the South African IEE and SAMES, and he served as an external examiner for a Ph.D. discussion.

P. Robertson (Grad Asst) presented a paper, "Characteristics of Submicron Silicon MOSFETS From 300 K to 4.2 K," at Sophia University in Japan in August.

F.R. Sias Jr. (R.A. Bowen Assoc Prof) demonstrated a research computer model in the teaching materials and methods category with the abstract "Enhancement of a Computer Model for Teaching Renal Physiology" at the meeting of the American Physiological Society Aug. 27-30.

### ELEMENTARY AND SECONDARY EDUCATION

L.B. Hart (Assoc Prof) presented a paper, "Developmental Theories in Perspective: The Why of Planning and Working With Children," at the Early Childhood Education Summer Institute in Columbia July 9. The institute was sponsored by the S.C. Department of Education and the University of South Carolina.

O.R. Lumpkin (Assoc Prof) published "Qualified Black Students' Images of Public Desegregated Southern University," ED 240 905, in *Clearinghouse on Higher Education* (July 1984).

W.W. Pennscott (Prof) presented "Techniques of Counseling for Prevocational Education Teachers" at the Annual S.C. Vocational Education Conference in Columbia.

Prof. Pennscott presented "Facilitative Skills to Enhance Healthy Communication" at the Choosing Wellness and Promoting a Healthy Lifestyle Conference at the Outdoor Laboratory in Clemson in August.

V.B. Stanley (Assoc Prof) presented "Writing Patterns in Children's Literature" to elementary teachers at an inservice in Anderson District 5, Aug. 27, and "Using Writing to Enhance the Reading Program" at an inservice in that district June 12.

Prof. Stanley and M.S. Crosby (Asst Prof) presented "Children's Literature Plus Patterned Language Equals Successful Writing Experiences" at the International Reading Conference in Atlanta Ga., May 9.

### ENGLISH

F.L. Day (Assoc Prof) published book, *Sir William Empson: An Annotated Bibliography* (Garland Press, N.Y.).

R.W. Moran (Prof) published "The Branch Bank" in *Anthology of Magazine Verse and Yearbook of American Poetry*, ed. A.F. Pater, Beverly Hills: Monito Book Co., (1984) 338.

F.W. Shilstone (Assoc Prof) published "The Dissipated Muse: Wine, Women and Byronic Song" in *Colby Library Quarterly*, 20 (1984) 36-46.

Prof. Shilstone published the following reviews:

-- Philip W. Martin's *Byron: A Poet Before His Public in South Atlantic Review*, 49 (1984) 127-30;

-- Marilyn Butler's *Romantics, Rebel and Reactionaries: English Literature and Its Background, 1760-1830 in Southern Humanities Review*, 18 (1984), and

-- J.D. Wilson's *The Romantic Hero: Ideal in Southern Humanities Review* 18(1984) 263-64.

D.C. Tillinghast (Assoc Prof) taught poetry workshop at Young Harris College in Young Harris, Ga., July 22-28.



E.P. Willey (Assoc Prof) published "Delights for the Ingenious: 1711" in *British Literary Magazines: The Augustan Age and the Age of Johnson* (Greenwood Press, 1983) and four poems: "Martha Flinders" in *Parnassus*; "Re-entry" and "Moonflower Nocturne" in *Mendocino Review*, and "Back Then" in *South Carolina Review*.

## ENTOMOLOGY

T.R. Adkins Jr. (Prof) gave an invited presentation, "Entomophobia," at the summer meeting of the South Carolina Pest Control Association at Myrtle Beach Aug. 2-5.

T.M. Brown (Assoc Prof) presented the paper "Recent Advances in Toxicology and Biochemistry of Resistance" at the Symposium on Management of Insecticide Resistance of the 68th Pacific Branch Meeting of the Entomological Society of America in Salt Lake City, Utah June 20.

Prof. Brown published "High-performance Liquid Chromatography of Organophosphinates" in *Journal of Chromatography*, Vol. 294, 390-396.

J.R. Davis (Former Grad Stu), M.A. Delaney (Former Tech), T.R. Adkins, Jr. (Prof), J.C. Morse (Prof), J.H. Patti (Former Grad Stu), and R.J. Hack (Former Tech) published "Preimpoundment Distribution of Mosquitoes Within the Richard B. Russell Dam and Lake Area of South Carolina and Georgia" in the *Journal of the Georgia Entomological Society* 19(2):141-151.

Prof. Morse edited the *Proceedings of the Fourth International Symposium on Trichoptera, Clemson, South Carolina, 11-16 July 1983*, (May, 1984), Dr. W. Junk Publishers, The Hague, The Netherlands, Series Entomologica Vol. 30, 486 pages. The volume contains research papers by the following:

-- M. Friedlander (Former Alumni Vstg Prof, Ben Gurion Univ., Israel), "Phylogenetic Branching of Trichoptera and Lepidoptera: An Analysis on Comparative Spermatology." (Abstract)

-- S.W. Hamilton and R.W. Holzenthal (Grad Assts), "The Caddisfly Genus *Helicopsyche* in American North of Mexico (Trichopsychidae: Helicopsychidae)." (Abstract)

-- Prof. Holzenthal, "Studies in Neotropical Leptoceridae (Trichoptera) I: *Achoropsyche*, a New Genus."

-- R.W. Kelley (Former Grad Asst), "The *falcata*-Species Complex of the Genus *Oxyethira* (Trichoptera: Hydroptilidae)."

-- Prof. Morse, "Evolution and Historical Biogeography of *Leptocerina* and *Axiocerina* (Leptoceridae, Leptocerinae, Athripsodini)."

-- M.L.J. Rowlands (Former Grad Asst) and M.H. Hansell (Glasgow Univ., United Kingdom), "Abdominal Contact

as a Case Building Control in a Limnephilid Larva."

-- G.A. Schuster (E. Kentucky Univ.) and S.W. Hamilton, "The Genus *Phyllocentropus* in North America (Trichoptera: Polycentropodidae)."

-- J.S. Weaver III (Former Grad Asst), "The Evolution and Classification of Trichoptera, Part I: the Ground Plan of Trichoptera."

-- Prof. Weaver, "The Diversification of Lepidostomatidae." (Abstract)

W.R. Martin (Former Grad Asst) and Prof. Brown published "The Toxic Action of Acephate in *Pseudoplusia includens* (Lepidoptera: Noctuidae) and *Pristhesancus papuensis* (Hemiptera: Reduviidae)" in *Entomologia Experimentalis and Applicata*, Vol. 35, 3-9.

G.T. Payne (Grad Asst) and Prof. Brown published "EPN and S, S, S-Tributylphosphorothioate as Synergists of Methyl Parathion in Resistant Tobacco Budworm Larvae (Lepidoptera: Noctuidae)" in *Journal of Economic Entomology*, Vol. 77, 294-297.

J.R. Grothusen (Res Assoc/Asst Prof) and Prof. Brown presented the paper "Chiral-phase High-performance Liquid Chromatography of Organophosphinates and Insecticides" to the 6th Annual Symposium of the Atlanta Chromatography Discussion Group in Atlanta, Ga., May 16.

## ENVIRONMENTAL SYSTEMS ENGINEERING

T.M. Keinath (Prof and Hd) presented a paper, "Operational Dynamics and Control of Secondary Clarifiers," at the 57th Annual Conference of the Water Pollution Control Federation in New Orleans, La., Sept. 30-Oct. 4.

Prof. Keinath presented three papers at the 12th Biennial Conference of the International Association on Water Pollution Research and Control in Amsterdam Sept. 17-21 and has been elected secretary-treasurer of the USA National Committee. The papers are:

-- "Dynamic Response of Final Clarifiers" written with J.D. Dietz (Central Fla Univ);

-- "Organic Removal Mechanisms in Biophysical Treatment Systems" written with J.R. Schultz (Univ of Utah); and

-- "Sludge Conditioning: Effects of Sludge Biochemical Composition" written with P.T. Bowen (Univ of Okla).

## FOOD SCIENCE

J.C. Acton (Prof) presented a paper, "Thermal Transitions of Natural Actomyosin From Poultry Breast and Thigh Tissues," at the 73rd Poultry Science Association Annual Meeting at the University of Guelph in Ontario, Canada July 31. The paper was written with R.L. Dick (Res Spec).

C.V. Morr. (Stender Prof) presented an invited paper, "Chemical, Functional

and Nutritional Properties of Phylate-Reduced Soy Proteins," at the World Soybean Research Conference III at Iowa State University in Ames, Iowa Aug. 14-17.

## HISTORY

E.D. Carney (Asst Prof) published "Regicide in Macedonia" in *La Parola del Passato*, (1983).

L.J. Greenspoon (Assoc Prof) reviewed "A Critique of Modern Textual Criticism" by J.J. McGann in *Religious Studies Review* 10 (1984) 170.

D.G. Paz (Asst Prof) read "The Relationship Between Anti-Catholic and Anti-Irish Sentiment in the Mid-Nineteenth Century" at the Catholic Record Society, St. Anne's College, University of Oxford in July. He chaired a session on "Dis-senting Identities Since the Mid-Nineteenth Century" at the Anglo-American Conference of Historians, Institute of Historical Research, at the University of London in July.

Prof. Paz published the following reviews:

-- *Protestant Versus Catholic in Mid-Victorian England: Mr. Newdegate and the Nuns* by Walter L. Arnstein in *Historical Magazine of the Protestant Episcopal Church*, LIII (1984) 84-85;

-- *Black Episcopalians in Georgia: Strife, Struggle and Salvation* by Charles Lwanga Hoskins in *Saint Luke's Journal of Theology*, XXVII (1983-84) 129-31; and

-- *The Structured Crowd: Essays in English Social History* by Harold Perkin in *Social Science Quarterly*, LXIV (1983) 699-700.

E.E. Moise (Assoc Prof) reviewed *The United States Air Force in Southeast Asia: Tactical Airlift* by Ray L. Bowers, Office of Air Force History and U.S. Govt. Printing Office (1983) in *Aerospace Historian*, 31, No. 2 (June 1984) 154.

F.M. Walker (Admin Spec A) presented a lecture to the S.C. Employment Security Commission Aug. 14 and to the Anderson Housing Authority Aug. 21.

J.R. Wunder (Prof) reviewed "Rocky Mountain Carpetbaggers: Idaho's Territorial Governors, 1863-1890" in *Pacific Northwest Quarterly* 75 (1984) 42.

## HOUSING



Willie Mae Woods of Seneca received the Custodian of the Month award for July. She has been employed here since 1978.

## INDUSTRIAL EDUCATION

A.F. Newton (Prof and Hd), president of the S.C. Vocational Association, presided at the annual business meeting and banquet in Columbia, July 30-Aug. 1.

## INDUSTRIAL ENGINEERING

C.R. Lindenmeyer (Prof) presented "Basics of Statistical Quality Control" at a Quality Control Automation Seminar sponsored by the Hewlett-Packard Co. at the Marriott Hotel in Columbia Aug. 22.

## LANGUAGES

H.E. Stewart (Prof) published (with the assistance of S.A. Webb) a solicited review of *Jean Genet and His Critics: An Annotated Bibliography, 1943-1980* by R.C. Webb in *The French Review*, 57, No. 6 (May, 1984) 887-888.

## MANAGEMENT

W.H. Hendrix (Assoc Prof) had accepted for publication "Behavioral and Psychological Consequences of Stress and Its Antecedent Factors" in the *Journal of Applied Psychology*.

Prof. Hendrix presented a paper, "Stress Effects on Organizational Outcomes and Prediction of Coronary Artery Disease Risk," at the 92nd Annual American Psychological Association meeting in Toronto, Canada, Aug. 24-28.

C.W. McNichols (Prof) published *Data Base Management With dBase II* (Reston Publishing Co., July 1984).

M.J. Stahl (Prof and Hd) and T.W. Zimmerer (Prof) were honored for their paper, "Strategic Focus: Modeling the Strategy Formulation Process Through the Application of Decision Modeling," at the National Academy of Management meeting in Boston, Mass., Aug. 18. The paper received a monetary award of \$250 and an Honorable Mention award in the "Best Paper in Corporate and Organizational Planning" competition, which is sponsored by the Foundation for Administrative Research.

## MARKETING

M.C. LaForge (Asst Prof), R.L. LaForge (Prof, Mngmt) and L.R. Bittel (James Madison Univ) published "A Survey of Supervisory-Level Marketing Managers" in the *Akron Business and Economic Review*, Vol. 15, No. 2 (Summer 1984) 47-52.

## MATHEMATICAL SCIENCES

R.E. Fennell and J.A. Reneke (Assoc Profs) and S. Benz (Former Grad Stu) published a paper, "Hereditary Systems: Approximate Solutions and Parameter Estimation," in the *International Journal of Applicable Analysis*, Vol. 17 (1984) 135-156.

Prof. Fennell and Prof. Reneke have received a grant from the Air Force Office of Scientific Research to study

control coordination methods for large scale systems.

R.E. Jamison (Prof) served as a consultant on convexity in graphs at the Center for Social Sciences in Paris, France and for the mathematics department at the University of Le Mans in July.

Prof. Jamison gave a lecture on the "Slope Problem" at the University of Lyon, France, June 27.

Prof. Jamison gave a lecture on "Planar Configurations Which Determine Few Slopes" at the Oberwolfach Conference (Mathematisches Forschungsinstitut) July 15-21.

J. Kenelly (Prof) was a visiting scholar for the National Humanities Faculty in Atlanta, Ga., July 23-Aug. 3. He delivered a series of lectures and directed workshops in the faculty's program of enrichment for the Atlanta Public Schools.

Prof. Kenelly directed the mathematics section of the College Board's Conference for Advanced Placement Teachers in Miami, Fla., Aug. 27.

Prof. Kenelly delivered an invited address to the Advanced Placement Institute at Oglethorpe University in Atlanta, Ga., July 12.

The following participated in the 144th Annual Meeting of the American Statistical Association in Philadelphia, Pa., Aug. 13-16:

-- Prof. Ling chaired the 1984 JASA Applications Invited Paper Session on "A Statistical Model for Positron Emission Tomography";

-- Prof. Ling and J.B. Gray (Former Grad Stu) presented a joint paper on regression diagnostics in the 1984 Technometrics Invited Paper Session. Invited discussants for this presentation were D. Allen (Univ of Ky), R.R. Hocking (Texas A&M) and S. Weisberg (Univ of Minn).

Prof. Ling, an associate editor of JASA, attended the JASA Editorial Board meeting.

Prof. Ling presented an invited talk in the Computer Software Support session of the Fourth International Symposium on Forecasting in London, July 8-11.

Prof. Ling's biographical listings will appear in the 1984 editions of *Who's Who in Frontier Science and Technology*, *International Who's Who of Intellectuals*, and *Who's Who in the World*.

Prof. Ling was recognized for his election to Fellowship in the American Statistical Association at the 1984 Annual Meeting of the American Statistical Association in Philadelphia, Pa. His citation reads: "... for fundamental contributions to the theory and methodology of cluster analysis; for important research in statistical computing; for innovations in the design, implementation, and application of interactive statistical software; and for outstanding editorial services to

the statistical profession."

D.D. Warner (Assoc Prof) and L.C. Kaufman (Bell Labs) published a paper, "High-Order, Fast-Direct Methods for Separable Elliptic Equations," in the *SIAM Journal on Numerical Analysis*, 21, (August 1984) 672-694.

Prof. Warner and J.M. Westall (Assoc Prof, Comp Sci) received a three-month grant for \$87,107 from the BDM Corporation to develop enhanced simulations involving communications, command and control.

## MECHANICAL ENGINEERING

R.S. Figliola (Asst Prof) received an NSF International Travel Grant to attend the NATO Advanced Studies Institute on Natural Convection in Cesme, Turkey July 16-28. Prof. Figliola chaired one session and presented a short discussion on "Heat Transfer and Fluid Motion Within a Bounded Cylindrical Fluid Volume Heated From Below."

Prof. Figliola presented a paper, "Instantaneous Heat Transfer Between an Immersed Horizontal Tube and a Gas Fluidized Bed," at the 22nd National Heat Transfer Conference in Niagara Falls, N.Y., Aug. 5-9. The paper was written with D.E. Beasley (Asst Prof) and C. Subramaniam (Grad Stu).

J.E. Goree (Prof) presented a paper, "Longitudinal Splitting at Crack Tips," at a Materials Research Council of the Defense Advanced Research Projects Agency meeting on Fracture Toughness of Advanced Fibrous Composites in La Jolla, Calif., July 19-20.

Prof. Goree and A. Kaw (Grad Asst in E.M.) presented a paper, "Analysis of Delaminations in Composite Laminates" at the Fifth Engineering Mechanics Division Specialty Conference of A.S.C.E. at the University of Wyoming in Laramie, Aug. 1-3. The manuscript is published in the proceedings, Vol. 1, 102-104.

J.A. Liburdy (Assoc Prof) and J.R.R. Pelfry (Dupont/Savannah River Plant) presented a paper, "Turbulence Characteristics of an Offset Jet," at the Second International Symposium on Applications of Laser Anemometry to Fluid Mechanics in Lisbon, Portugal, July 2-5.

## NURSING

S.E. Barger (Asst Prof and Dir Nursing Ctr) served as the American Reactor to research presentations on Primary Care at the conference "Clinical Scholarship: East Meets West" in Seoul, Korea, July 12-14. The conference was sponsored by Sigma Theta Tau, national honorary nursing society.

C.C. Chernecky (Asst Prof) and P.W. Ramsey (Asst Prof) published the book *Critical Nursing Care of the Client With Cancer*, Appleton-Century-Crofts (July, 1984).

D.A. Evers (Asst Prof and Coord of Nrsng Cont Ed) participated in the first

Women, Health and Healing Institute for College and University Faculty sponsored by the department of social and behavioral sciences, at the University of California, San Francisco, Calif., in July.

#### **PARKS, RECREATION AND TOURISM MANAGEMENT**

R. Howell (Asst Prof) presented "Three Basic Needs for Successful Tourism in the Piedmont" to the Piedmont Hotel and Motel Association at the Ramada Inn in Clemson Aug. 15.

J.L. Stevenson (Prof and Dir of Honors Prog) led a workshop on "Understanding and Motivating People" at Lander College in Greenwood July 24. The workshop was sponsored by the Lander horticulture department for the S.C. Flower Growers Association.

Prof. Stevenson gave a talk on "Staff Selection and Motivation" at the Annual North Carolina-South Carolina Turf Managers Conference in Charlotte, N.C., May 27.

#### **PHYSICS AND ASTRONOMY**

H.W. Graben (Prof) and E.K. Graben (Undergrad Stu) presented two papers, "On Two-Body Collisions and Second Virial Coefficients" and "Poker Chip Model of a Two-Dimensional Fluid," at

the National Meeting of the American Association of Physics Teachers at the University of Maryland June 25-29.

E.P. Stillwell (Prof) presented a talk, "Stress Effects on Electrical Transport Properties of TaS<sub>3</sub> and NbTe<sub>3</sub>," at the Naval Research Lab June 14.

Prof. Stillwell and T. Tritt (Grad Stu) conducted research at the Francis Bitter National Magnet Lab in Boston, Mass., June 8-17.

R.C. Turner (Prof) has received a one-year grant of \$41,800 from Celanese Fibers Operations division of Celanese Corporation to conduct research on "ESR Studies of the Thermo-Oxidative Stability of Polyester." M.J. Drews (Prof, Textiles) is co-investigator on the project.

#### **PLANT PATHOLOGY AND PHYSIOLOGY**

L.W. Baxter Jr. (Prof), S.G. Fagan (Ag Sci Asst) and P.A. Mitchell (Ag Sci Assoc) published "Camellia Tip-Dieback, a New Disease Caused by Cold Injury to Shoot-tips When Flower Buds Are Opening, Particularly Gibbed Flower Buds" in *American Camellia Journal* 39(3):1 (August 1984).

#### **POLITICAL SCIENCE**

C.W. Dunn (Prof and Hd) has published *American Political Theology: Historical Perspective and Theoretical Analysis* (New York: Praeger, 1984).

#### **SOCIOLOGY**

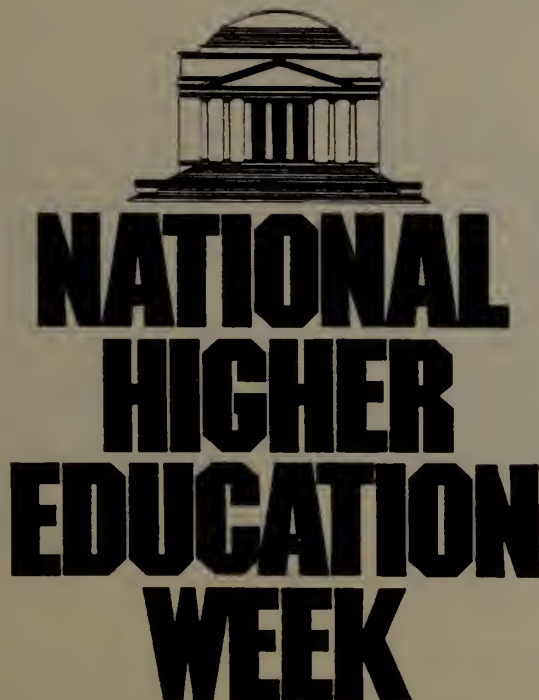
K.W. Crader (Assoc Prof) co-authored an article, "Differentials in the Ideal Size of Family in the Dominican Republic" in the *International Journal of Contemporary Sociology* 19(July-Oct 1982) 91-108.

D.K. Sturkie (Asst Prof) published "Structured Group Treatment for Sexually Abused Children" in *Health and Social Work*, 8(4), (Fall 1983) 299-308 and "Family Therapy of a Domestic Violence Service Delivery System" in *Clinical Social Work Journal* 12(1) (Spring 1984) 78-84.

Prof. Sturkie presented a paper, "Improving the Quality of Life for Adolescent Abusing Families," at the 61st annual meeting of the American Orthopsychiatric Association in Toronto, Canada in April.

#### **TEXTILES**

H.M. Behery (Prof) has been named to serve as a member of the advisory board of the Textile Institute at Greenville Technical College.



October 13 to 20, 1984  
celebrates the contributions  
of our colleges and universities  
to American society  
and focuses on the need for  
greater excellence at all  
levels of American education  
because we have the  
future in minds.

## Research team studies the fate of PCBs in Lake Hartwell

It was about six years ago that Alan Elzerman became interested in studying PCBs in Lake Hartwell, but not until 1982 did interest in new scientific questions regarding the behavior of PCBs result in funding to make his study possible.

Now, Elzerman, an associate professor of environmental chemistry, is heading up the first systematic study of the PCB contamination of Lake Hartwell. The results of the study should help to determine whether the pollutants are remaining stable or are moving down toward the Richard Russell Lake.

The research team is made up of graduate students from the environmental systems engineering department, which specializes in the study of waste treatment, air pollution, water resources and nuclear environmental work.

The first phase of research for Elzerman's team is the analysis of sediment in the Twelve Mile Creek area of Pickens County, where PCBs were routinely dumped for about two decades.

The team members are taking samples near Hartwell Dam this fall. "If we find higher than normal levels of PCBs, we'll know the contamination is moving down the lake and we can start working on how fast it's moving," Elzerman says.

The study, he says, has three objectives: to develop analytical techniques in the study of PCBs; to find answers to fundamental scientific questions regarding PCBs; and to survey Lake Hartwell to see how much of the pollutants are in the lake and to predict the PCB concentration five or 10 years from now.

PCBs, which don't effectively degrade in the lake, show up in fish, sediment and silt. Anything that disturbs the sediment around Twelve Mile Creek -- storms, dredging, opening dams, even recreational use -- might be sending PCBs to other parts of the lake, Elzerman says. Or it's possible that storms are working in favor of the lake by bringing in new sediment to bury the PCBs deeper.

"No one's done a systematic study of Lake Hartwell to learn exactly what the PCBs are doing," he says. "Eventually, we want to apply the fundamental information we're gathering now to make

some projections about what's going to happen to the PCBs there. Once we know more about the lake and the chemical and physical characteristics of PCBs, it'll be easier to predict where they'll

end up years from now."

PCBs, or polychlorinated biphenyls, are dielectrics and heat transfer fluids that were used for years in transformers, capacitors and other electronic products. Their use was banned by the U.S. Environmental Protection Agency after tests on laboratory animals linked the compounds to genetic damage, liver damage and cancer, prompting the EPA to call for a ban.



**Studying PCBs** -- They've come a long way since studying their ABCs, for now they've graduated to studying their PCBs -- polychlorinated biphenyls. Anne Polansky and John Coates, graduate students in environmental systems engineering, have been a part of Prof. Alan Elzerman's research team which is studying the extent of PCB contamination in Lake Hartwell.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

**Sept. 28 - Oct. 5**

## SHORT COURSES

- Oct. 1 "Discovering Natural Foods." Sponsored by University Union, 7-8:30 p.m. Sign up at Union Information Desk or call 656-2461 for more information.
- 2-3 "CPR #1." Sponsored by University Union, 7-10 p.m. Sign up at Union Information Desk, or call 656-2461 for more information.
- 3 "Hammock Making." Sponsored by University Union. Cost of all material for one hammock, \$35. Call 656-2461 for more information.
- 4 "Stencilling #1." Sponsored by University Union, 6:30-9 p.m., \$7. Sign up at Union Information Desk or call 656-2461 for more information.

## FILMS AND DRAMA

- 28-29 "Come Back to the 5 & Dime, Jimmy Dean, Jimmy Dean," a Clemson Players' production, Daniel Hall Auditorium, 8 p.m. Tickets, \$2, public; \$3 for Clemson faculty and staff; free for University students. Call 656-2471 for more information.
- 28-29 "Footloose." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m. \$1.50 with University I.D. Call 656-2461 for more information.
- 30 "Jailhouse Rock." Sponsored by University Union, Y-Theater, 8 p.m., free with University I.D. Call 656-2461 for more information.
- 1 "Thunderball," James Bond series. Sponsored by University Union, Y-Theater, 8 p.m., \$1 with University I.D.
- 3 "Miracle in Milan." Sponsored by Five Directions Cinema, Y-Theater, 7:30 p.m., \$2. Open to public. Call 656-3069 for more information.

## LECTURES AND MEETINGS

- 28 Lecture: "The Lingering Poison of McCarranism" by Robert P. Newman, a professor of rhetoric and communication at the University of Pittsburgh. Sponsored by College of Liberal Arts, Clemson Ramada Inn, 8 p.m. Call 656-3168 for more information.
- 28-29 Meeting: The Carolinas Speech Communication Association Annual Meeting, Clemson Ramada Inn. Call 656-3168 for more information.
- 3 English Hour Lecture by John McLaughlin. Sponsored by English department, 108 Strode Tower, 3:30 p.m. Open to public. Free. Call 656-3151 for more information.

# Events



Information regarding the school calendar and upcoming events.

Section containing detailed information about the first set of school events, including dates and descriptions.

Section containing detailed information about the second set of school events, including dates and descriptions.

Section containing detailed information about the third set of school events, including dates and descriptions.

## OTHER EVENTS

- Through Oct. 31 Exhibit: "The Rare Book Collection of the Robert Muldrow Cooper Library." Features examples of outstanding items from its holdings. Located in main lobby and Special Collections reading room on level 2. Call 656-3026 for more information.
- Through Nov. 15 YMCA Volleyball Clinic. Sponsored by Clemson University YMCA, Thursdays from 6-8 p.m. at the recreation area. Call 656-2361 for more information.
- Through Nov. 15 "Dancin' Aerobics." Sponsored by Clemson University YMCA, YMCA recreation area. Open to adults and teenagers. Call 656-2361 for more information.
- 28 Barbeque: Kresge Lodge at Camp Hope. Sponsored by University Club, 6 p.m. Call 656-2345 for more information.
- 28-29 "Forerunner '84" Conference, featuring Sam Lopez, promotion manager for "The Cause," and John Hopler, attorney and pastor with the Great Commission Church in Washington, D.C. Sponsored by Campus Christian Fellowship, Tillman Hall Auditorium. Call 654-2457 or 654-4833 for more information.
- 29 Race: "Fun Run in the Sun." A 2-mile run around campus. Sponsored by University Union, 1 p.m., \$2.50. Sign up at Union Information Desk.
- 30 Volleyball: Duke University, 1:30 p.m., here.
- 30-Oct.1 Auditions for Clemson Players' production. Daniel Hall Auditorium, 7:30 p.m. Open to public. Call 656-2476 for more information.
- 2 Volleyball: University of South Carolina, 6 p.m., here.
- 2 Placement Orientation. Sponsored by Student Placement Office, Student Senate Chambers, 11 a.m. Call 656-2152 for more information.
- 3 Deadline for mail order tickets for Crystal Gayle concert. Call 656-2461 for more information.
- 3 Soccer: Winthrop College, 8 p.m., here.
- 4 Gutter: "Fifth String Band," bluegrass music. Sponsored by University Union, the Gutter, 8-11 p.m., \$1. Call 656-2461 for more information.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author details the various methods used to collect and analyze the data. This includes both manual and automated processes. The goal is to ensure that the data is as accurate and reliable as possible.

The third part of the document focuses on the results of the analysis. It shows that there is a clear trend in the data, which is consistent with the initial hypothesis. This finding is significant as it provides strong evidence for the proposed model.

Finally, the document concludes with a summary of the findings and some recommendations for future research. It suggests that further studies should be conducted to explore the underlying causes of the observed trends.

The following table provides a summary of the key data points discussed in the text.

Category	Value
Item A	12.5
Item B	8.7
Item C	15.2
Item D	9.1
Item E	11.3

The data indicates a steady increase in the values over the period shown. This is particularly notable for Item C, which shows the most significant growth.



# Newsletter

OCT 4 1984

Oct. 3, 1984  
Vol. 24, No. 7

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY



**Learning anew** -- It takes, initially, a lot of time and patience to switch from the old typewriter to the new word processor, said Jane Turbeville, an administrative specialist in internal auditing. But the word processor has made her work easier and her job performance more effective, she said. Turbeville was one of about 25 employees who attended a summer seminar on word processing sponsored by the Computer Center.

## Seminar helps ease employees into word processing systems

By Dorrie Harllee

Bytes, floppies, diskettes, hard and soft copy -- word processing terms like these are common on campus these days, as the University moves further into the computer age.

To help employees adjust to the new technology, Margie Spangenberg, executive support specialist at the Computer Center, presents twice yearly a three-hour seminar during which she explains the development of the word processor and how it can be used most efficiently in the office.

"Remember those first typing courses and all the mistakes you made along the way?" Spangenberg asked the roomful of employees who attended her summer seminar. "It's the same with a word processor. It's going to take time and patience before you are able to operate the equipment efficiently."

But learning to operate new equipment while continuing other duties in the office can sometimes be a very frustrating experience for a beginner, said

Spangenberg.

Jane Turbeville, an administrative specialist in internal auditing who has had a word processor for about six months, could agree with what Spangenberg was saying.

"After the first week," said Turbeville, "I felt like I'd been through a roller mill, but after you get used to it, it's not so bad. There was a time or two that I really felt like just turning it off and running back to my typewriter. But I just kept saying, 'I'm going to learn all of the things it can do because it will help me to be more effective in my job.'"

Spangenberg believes the learning process could be made easier if beginning users could get some hands-on instruction from the experienced users within the University.

"I would like to see the University have an in-house training program for the employees," said Spangenberg. "Many large companies have seminars

and workshops for their staff to familiarize them with the equipment."

Before buying a word processor, Spangenberg said, you should consider the specific needs of your office. She emphasized that there are no shortcuts when selecting a word processor for the office, so she gives tips in her seminars on what to look for when the sales representative arrives.

"All of the systems may look alike, but they are very different." Some keyboards have Greek letters, she said, and others have equation configurations. "Unless you need it, ignore it. Any extras will cost you unnecessary money."

Spangenberg said she also thinks it would be helpful here to have a local chapter of the Association of Information Systems Professionals. The aim of the AISP is to exchange ideas, methods and techniques between members and invited guests who are engaged in the information/word processing field.

Members would meet once a month at lunch to hear guest speakers who specialize in computers, sales, and even psychology. "I think the resources that we could find right here in Clemson is amazing," she said.

Spangenberg could be one of those resources. To register for her next seminar, which will be held in October, call Spangenberg at 656-3466.

## Firefighters hold open house during Fire Prevention Week

The firefighters out at the University Fire Department would like you to help them do their job less and less. That's one reason they've planned several fire prevention activities for Oct. 8-13, National Fire Prevention Week.

Lt. Paul Masterson says the firefighters have planned an open house with demonstrations, exhibits and free handouts all designed to help University employees become more "fire conscious."

"We want to let people know we care about them, and we'd like to show that concern by sharing some information on fire prevention," says Masterson. "We'd like people to help us do our job  
(Continued on page 2.)

(Continued from page 1.)

less and less because the results of a fire out of control can be devastating, and, in some situations, we get into traumas that are really nasty."

While educating visitors about fire prevention, the fire department personnel will also be "recruiting" volunteer firefighters, says Masterson. "We are trying to form what you might call a University fire brigade, and we are going to use the Fire Prevention Week to try to stimulate interest here on campus from both staff and faculty."

Masterson says the fire department answered about 400 calls last year, although he estimates that about 40 percent of those calls were "malicious" false alarms which came from University buildings.

Right now the department has eight volunteers, and Masterson is hoping to add perhaps another 10 or more to that number.

Activities -- including demonstrations by the firefighters of equipment (such as fire extinguishers and "Jaws of Life") and free blood pressure tests by fire department personnel -- will be held both at the fire department and on Bowman Field. Here's the schedule:

-- Monday, Wednesday and Friday -- demonstrations and displays on Bowman Field, 1-5 p.m.;

-- Tuesday and Thursday -- open house at fire station at Perimeter Road, 1-5 p.m. and Saturday, 11 a.m.-5 p.m.

## United Way kicks off with \$20,000 goal

It's up, up and away toward the \$20,000 mark, as the University's annual United Way drive strikes out on its sixth annual campaign this month.

At the kick-off luncheon held Tuesday at the Clemson House, registrar Stan Smith, campaign chairman, announced that the steering committee has set a goal of \$20,000 for the month-long drive.

With 330 employees contributing to last year's campaign, the primary goal this year is to increase the number who participate, says Smith. "I hope those who didn't contribute last year will look at the information we'll be sending out to them and consider adding their support this year."

The payroll deduction method of contributing is "easy and popular" among employees, said Smith, although contributions may be made by cash or by check.

"Remember that your gift will be shared by many agencies to provide human services for people in our area, including the handicapped, the alienated, the sick, the young and the old," says Smith. "The United Way continually

## Failure to display new parking decals could result in fines

By the time Oct. 12 rolls around, you should have a new University parking decal on your car. Failure to do so could leave you minus \$30 in your pocket.

In an effort to "keep track" better of the thousands of vehicles that inundate the campus each day, the Parking and Vehicle Registration Office has begun this year a new policy of annual registration of vehicles.

Annual registration of vehicles should help to eliminate some of the confusion for traffic officers, says Bill Pace, director of parking and vehicle registration. "It should help us keep up better with whose car belongs here and whose doesn't."

Some people, for instance, buy cars with Clemson University decals already on them, and those people sometimes park in spaces which, legally, are not open to them, says Pace.

"We are trying to make it easy on the employees by having members of the Student Police deliver vehicle registration cards to every department," he

seeks to provide these people with a better way of life."

Volunteers from each college or department will deliver contribution envelopes to all employees. If you have questions, says Smith, contact the volunteer representing you, or call the registrar's office at 656-2171.

## Look here to find Tigerama tickets

Clemson -- Holiday Inn; Lynch Drug Co.; Mr. Knickerbocker's.

Seneca -- Harris Sporting Goods.

Anderson -- C&S Bank.

Greenville -- Mr. Knickerbocker's.

On campus -- Student Life (Mell Hall); Student Affairs (Sikes Hall); Alumni Center; Clemson House; Harcombe and Schilletter dining halls.

says. (The students later go back to the departments to pick up the cards and to deliver the decals.) "We may not reach everyone in this way, but we're trying and if someone is missed, we hope they'll stop by the traffic office and get registered."

The new decals, although they look much like the old ones, are a bit larger, he says, so they can be seen more easily.

You may register more than one vehicle. If, however, you drive another car to work only a few days each year, you may prefer to register for a temporary parking permit on those days. Pace says that a parking permit is required within 48 hours of the time a vehicle is brought onto campus.

Your new decals go in the same place as the old ones: the right front and left rear windows. But as for the penalty for failure to display the decal, well, doesn't matter which pocket it comes out of. Right or left, rear or front -- it's 30 bucks just the same.

**WE  
HAVE  
THE  
FUTURE  
IN  
MINDS**



The Clemson University Newsletter is published for Ruth Evans, an executive support specialist in Extension Administration, and for all the members of the University faculty and staff by the Department of Publications and Graphic Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barre  
Production Assistant \_\_\_\_\_ Carla Reeve

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

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OCT 4 1984

## Oct. 5-12

### WORKSHOPS AND SHORT COURSES

- 5 "Linkup" -- an organization for all users and potential users of computers. Sponsored by College of Agriculture, Room D-135, P&A Building, 2 p.m. Call 656-3102 or 656-2396 for more information.
- 8 Workshop: "IEEE Videoconference. VLSI -- Its Impact on Your Career." Sponsored by Continuing Engineering Education, 101 Riggs Hall. Call 656-3308 for more information.
- 10 Short Course: "Kayaking #2" includes classroom instructions, practice and mini-expedition. Sponsored by University Union, \$20. Sign up at Union Information Desk, or call 656-2461 for more information.
- 10 Short Course: "Backpacking and Nature Photography," 7-9 p.m., \$65. Sign up at Union Information Desk or call 656-2461 for more information.
- 10 Short Course: "Rockclimbing," with instruction in using equipment and learning climbing techniques. Sign up at Union Information Desk, or call 656-2461 for more information.
- 10-12 Seminar: "Assertiveness Training for Managers." Sponsored by Professional Development, Holiday Inn, Clemson. Call 656-2200 for more information.
- 11 Short Course: "Stencilling #1," 6:30-9 p.m., \$7. Sign up at Union Information Desk, or call 656-2461 for more information.

### FILMS

- 4-6 "Terms of Endearment." Sponsored by University Union, Y-Theater, 7 & 9:30 p.m., \$1.50 with University I.D. Call 656-2461 for more information.
- 7 "Return of the Pink Panther." Sponsored by University Union, Y-Theater, 8 p.m., free with University I.D. Call 656-2461 for more information.
- 10 "Tender Mercies." Sponsored by Five Directions Cinema, Y-Theater, 7:30 p.m., \$2. Open to public. Call 656-3151 for more information.
- 11-13 "Uncommon Valor." Sponsored by University Union, Y-Theater, 7 p.m. and 9:15 p.m., \$1.50 with University I.D. Call 656-2461 for more information.

### OTHER EVENTS

- Aug. 14-Oct. 31 Exhibit: "The Rare Book Collection of the Robert Muldrow Cooper Library," with examples of outstanding items from its holdings. Located in main lobby and Special Collections Reading Room on level 2.
- 6 College Bowl: "The Game Before the Game." Clemson vs. University of North Carolina team. Sponsored by University Union, Senate Chambers, 8 a.m.-noon, free. Call 656-2461 for more information.
- 6 Football: North Carolina, 1 p.m., here.
- 10 Soccer: USC-Spartanburg, 8 p.m., here.
- 11 Music: "Fourplay" and the best of local talent. Sponsored by University Union, the Gutter (basement of YMCA) 8-11 p.m., \$1. Call 656-2461 for more information.
- Through Nov. 15 YMCA Volleyball Clinic. Sponsored by YMCA, Thursdays from 6-8 p.m., YMCA recreation area. Call 656-2361 for more information.
- Through Nov. 15 YMCA Dancin' Aerobics. Call 656-2361 for more information.

# Events

The following events were recorded during the year:

1. The first meeting of the committee was held on the 1st of January.

2. A report was presented on the 15th of February.

3. The annual meeting was held on the 1st of March.

4. A special meeting was held on the 15th of April.

5. The committee met on the 1st of May.

6. A report was presented on the 15th of June.

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# Newsletter

October 10, 1984  
Vol 24 No 8

OCT 10 1984

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Clemson, MUSC unite to create safer agricultural environment

With belief in preventive medicine's maxim that an ounce of care is worth a pound of cure, Clemson has joined hands with the Medical University of South Carolina to create a safer agricultural environment.

The South Carolina Agromedicine Center was officially established Sept. 19, when President Bill Atchley and MUSC President James Edwards signed a memorandum of understanding in ceremonies held in the Sol Blatt Building in Columbia.

Primarily educational in nature, the center will bring together experts in agriculture, medicine, toxicology and preventive medicine and will make their services available to health care professionals, farmers and consumers.

The Agromedicine Center grows out of the S.C. Pesticide Hazard Assessment Program, conducted for 17 years by MUSC with federal funding. MUSC's extensive files on pesticide poisoning will be a cornerstone for the center, which will operate out of MUSC in Charleston with \$200,000 in state appropriations.

Operating the program will be Jere Brittain, the agromedicine coordinator for Clemson, and Stanley Schuman, medical director for the center.

Schuman is a professor of family medicine and pediatrics at MUSC, and Brittain is coordinator for the Integrated Pest Management Program (IPM) here. IPM emphasizes the use of natural controls of pests and application of chemicals in crop production by prescription rather than by the shotgun approach.

"Agromedicine fits in perfectly with IPM," says Brittain, who sees MUSC personnel as valuable assets in the ongoing effort to educate agricultural workers in the proper use of chemicals.

"The Extension Service has long reached the use of protective clothing and equipment when applying pesticides," he says. "Through the agromedicine program perhaps we can do a better job of that and teach farmers how to recognize symptoms of pesticide exposure and poisoning."

Schuman says that doctors in the state could also benefit from the agromedicine program. Agromedicine personnel will take part in meetings for both farmers and physicians in order to get its message across.

He says the average primary care physician often has difficulty in diagnosing dermatological problems: What may be thought to be poison ivy is often a reaction to a chemical used on the farm or around the home.

The Agromedicine Center's educational effort, however, will deal with more than chemicals. That effort will include advice on such basics as nutrition and on the prevention of dehydration during long exposure to the sun.

The center will also offer laboratory support, investigative procedures, and access to the appropriate research literature in case a poisoning incident is suspected.

"We're a state service, not a regulatory agency," Schuman says.

The Agromedicine Center is thought to be the first such agreement between a medical and a land-grant university.

## State-paid dental insurance coming in February 1985

Come next February, you'll have something to smile about when you sit down in the dentist's chair. That something is paid dental insurance, so go right ahead, just open up your mouth and say, "Ah-h-h-h."

The results of the new state-paid dental insurance for employees will mean that you could have from 50 to 100 percent of your dental bill paid, depending upon the service you receive and the amount your dentist charges for the service.

"The plan looks great," says Ron Herrin, director of payroll and employee benefits. "We will be arranging meetings in mid-October around campus to explain the program and give employees a chance to sign up. We're trying to arrange the meetings at a reasonable convenience,

and we will let people know when and where they will be."

The procedure for enrolling in the program goes like this. Herrin says that on Feb. 15 -- if you are on the active roll for health insurance -- your name will be automatically transferred to the dental benefits roll. That means the state will pay your dental insurance premium of about \$9.15 per month.

You will not have to complete any forms if you want the coverage only for yourself, unless you fit into one of the categories listed below. However, if you want coverage for dependents, you will need to complete a Dental Notice of Election (DNOE) form and a payroll deduction authorization form. And, you will need to do that right away.

Certain other conditions also require you to complete a DNOE:

- if you do NOT want the state funded dental benefits;
- if you were hired after Oct. 1, 1984;
- if you are not on the health insurance roll;
- if you have changed your name or address; and
- if, in the future, you want to add or decrease coverage for dependents.

### What does it cost?

The state picks up the tab on the insurance for employees. But coverage for dependents will cost you (monthly) \$7.06 for employee spouse coverage; \$12.70 for employee children coverage; or \$19.76 for the entire family.

"The insurance plan encourages you to maintain good dental health as well as helping you when you have problems," says Herrin.

For example, according to the fee schedule (the allowed maximum payable for each procedure), the plan will pay 100 percent, up to \$14, for you to have a dental exam every six months.

The plan will also pay 80 percent, up to \$16, for a filling and 50 percent, up to \$142.50, for a crown.

You may file a claim in one of two ways, says Herrin. You can pay the dentist directly, complete a claim form, attach a copy of the bill and mail it to the administrator of the program. (The administrator has not yet been determined).

(Continued on page 2.)

(Continued from page 1.)

Or you can present your dental I.D. card, which you will be receiving, and ask the dentist to complete the claim form. You then pay only the difference in the actual charge and what is paid under the plan.

Other features of the plan include:

-- the fee schedule will be updated every six months;

-- the plan coordinates with existing dental coverage you may have;

the plan pays for services rendered after Feb. 15, 1985, but not those performed before that time.

You will be receiving your dental handbook as soon as possible after Feb. 15.

## Purchasing division receives notice of recertification

They've done it again over in Purchasing. For the second time in a row they've become certified, says director Jim Boleman.

In May of 1982 the University's Purchasing and Supply Services Division became the first state agency to be certified to purchase goods and services as outlined in the S.C. Consolidated Procurement Code.

The Code, established in 1981, allows state agencies to make purchases up to \$20,000 without going through the General Services Division in Columbia.

"The Code was enacted to allow agencies flexibility in purchasing," says Boleman, "and to alleviate a lot of bottlenecks and save time."

The procurement code, however, requires recertification every two years, and in June of this year Purchasing was audited and gained another first -- the first state agency to be recertified.

"The audit and certification report was very complimentary of the University's purchasing system," says Boleman. "It had only minor recommendations for improvement. In fact, our record was so good that they allowed us another year, so it'll be three years now before we're audited again."

Boleman emphasizes that certification was made only in the areas of goods and services, and that plans are being made for certification in the areas of information technology.

"When certification in these areas is available," he says, "we hope to be number one again. With the good performance of the employees in the Purchasing Division who have helped to make this possible, I believe we can."

Boleman estimates that the University now makes about 98 percent of its purchases in the area of goods and services without having to go through General Services.

## Get ticket refunds now from cancelled Gayle concert

To get your ticket refund on the Oct. 12 Crystal Gayle concert which was cancelled, return your ticket to the place where you purchased it, says Bill Mandicott, University Union program director.

Gayle's concert, which was cancelled because of a scheduling conflict, will be rescheduled at a later date.

"We regret any inconvenience the cancellation may have caused, and we look forward to your support in the future," says Mandicott.

The deadline for ticket refunds is Oct. 18.

## World-wide hunger viewed in Food Day teleconference

World Food Day will be observed here Oct. 16 with a three-hour satellite teleconference originating from George Washington University. The conference will be held from noon until 3 p.m. in the P&AS Building.

During the first hour of the program, a panel of experts will discuss world hunger. The panel, moderated by actor Eddie Albert, will include Edouard Saouma, director-general of the Food and Agriculture Organization; U.S. Secretary of Agriculture John Block; and presenters on specific food and hunger issues.

During the program's lunch break, 1-2 p.m. (bring your own), participants will break into discussion groups to formulate questions and comments to be phoned in to the panel.

In the final hour, 2-3 p.m., Albert will refer selected questions and recommendations to the panelists for their response.

World Food Day began in 1979 as a means of increasing public awareness of world food problems and of developing national and international cooperation in the struggle against hunger, malnutrition and poverty.

It is an outgrowth of the United Nations World Food Conference held in

Rome 10 years, a conference which set a goal of alleviating world hunger.

For more information on the conference call Bobby Robinson, head of agricultural economics and rural sociology, at 656-3223.

## United Parcel Service available through campus post office

Thanks to the University Post Office, you no longer have to go off campus to send your packages by United Parcel Service.

Postmaster Charles Brown says that outgoing U.P.S. is now available and packages from departments will be picked up along with regular interoffice mail twice each day. (Incoming U.P.S. materials will still come through Central Receiving.)

"Parcels picked up from departments in the morning will be shipped that same morning," says Brown, "but packages picked up in the afternoon will not go out until the next morning."

Individuals who want to mail personal packages through U.P.S. will need to go to the post office and pay cash at the time of mailing. Departments will be billed monthly for U.P.S., along with other postage billing.

Packages should be wrapped according to U.P.S. regulations: use corrugated cardboard secured with filament or with regular wrapping tape three inches wide. "Please do not use scotch tape," says Brown. All packages, he says, should be clearly labeled "VIA U.P.S."

For more information on mailing through U.P.S., call Brown at 656-2351.

## DID YOU KNOW?

More than 260 fall 1984 freshman will participate in Clemson's Honors Program -- more than double the number of freshmen in the program in fall 1983. To qualify for an invitation to the Honors Program, an entering freshman has to have a predicted grade point ratio of at least 3.4 out of a possible 4.0 or an SAT score of at least 1,200.



The Clemson University Newsletter is published for Shorty Smith, a supervisor at the laundry, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



**Computer cooperation** -- Commitment to an educational adventure in computer continuing education takes cooperation. And the College of Forest and Recreation Resources has the kind of cooperation it takes from the IBM Corporation and the National Park Service. Attending the dedication of the college's new IBM computer laboratory Sept. 24 were, left to right: Jeff Wharton, marketing manager, and Bob Kelley, advisory marketing representative of the National Accounts Division of IBM; President Bill Atchley; Dean Benton Box; Marvin Knisley, branch manager, IBM; and Bob Baker, regional director of the National Park Service.

## College of Forest and recreation dedicates computer laboratory

For a computer lab, it's quite cozy. The 15 streamlined personal computers sit on large, wooden desks custom-made by graduate students in the forestry department. Along the walls are contemporary paintings loaned by the College of Architecture.

But maybe best of all, the lab is conveniently located right here and is available to all departments for continuing education purposes. You need go no further than 285 Lehotsky Hall to find out everything you always wanted to know about the IBM personal computer.

The College of Forest and Recreation Resources this month dedicated its personal computer laboratory by hosting a regular meeting of the president, vice presidents and Council of Deans.

The lab, furnished with computer equipment from the IBM Corporation, has 15 work stations, each of which includes a personal computer, a dot matrix printer, a monochrome monitor, and numerous software packages including Wordstar, Lotus 1-2-3 and dBase II.

Each station is arranged for two individuals to work together in the learning process; thus the lab can accommodate up to 30 participants. The teaching-station computer is connected to a color video beam projector that displays information

from the teaching computer onto a 102-inch diagonal video screen.

The lab was made possible, says forest and recreation resources Dean Benton Box, by a joint venture between the college, the National Park Service and IBM.

The college bought 10 of the IBM personal computers, and the company loaned the other five. The National Park Service then contracted with the college for an extensive training program that assures a return on the investment.

"This has been a dream of ours for a long, long time," says Box, "and we have hopes that this partnership will continue."

Dominic Dottavio, unit director of the National Park Service's Cooperative Study Unit and the park service's liaison with Clemson, said the teaching arrangement with the park service is the only one of its kind in the country and has tremendous potential.

"Anytime you have 10,000 employees and so many resources to manage, you have a use for a computer," he said.

### Rental policy

Brian Mihalik, an associate professor of parks, recreation and tourism management and lab coordinator, says the laboratory is used not only by the students. It is open to departments or groups for

continuing education, and it is also available to private companies who may want to bring in their staffs for training or to update their skills.

Mihalik says the college especially encourages other colleges and departments to use the facility. "But because the hardware is subject to breakdowns and the software is constantly changing, we must recover our replacement costs by charging a modest fee for users," he says.

Tuesdays, Wednesdays and Thursdays have been reserved, he says, for users outside the college. For information on renting the lab, call Mihalik at 656-2231.

## Here's new help for insuring your paycheck

Depending on your paycheck to show up every two weeks tends to become habit forming. But what if a disabling injury or a long-term illness forced you to miss work and your paycheck didn't show up for a while?

Could you live comfortably for two, three or six months without pay? And what about the amount of your disability benefits -- have you updated them to keep them in line with your salary level?

Although the state health insurance program offers long-term disability, Ron Herrin, director of payroll and employee benefits, says that disabled retirees have been having some financial difficulties as a result of the time-consuming procedure of benefit coordination.

The state health insurance program coordinates with Social Security disability, with state disability retirement and, in some cases, with pay from the University. "Sometimes," says Herrin, "delays in approval for these programs delay the insurance disability to our retirees."

Now, says Herrin, employees have an opportunity to enroll in a "guaranteed issue" disability income protection program with the Travelers Insurance Company. "This program is a 'bonus' or extension of the program that Travelers is already approved to write for us."

Since this extension would not coordinate with existing programs, there would not be lengthy delays in receiving benefits, says Herrin. You may choose either a 30, 60 or 90-day waiting period, and benefits are limited to 50 percent of your salary, up to \$1,000.

"Meetings have been set up with all departments to discuss the financial problems our employees have encountered during disability," says Herrin, "and to explain the benefits of the new program."

(Continued on page 4.)

(Continued from page 3.)

He encourages you to attend the meeting scheduled for your department and especially to think about updating your disability coverage to reflect salary increases.

Be on the look out for information about the time and place for your department's meeting.

## Sophomores invited to apply for 1985 Truman Scholarship

If you know of any sophomores who are pursuing a career in government service at the federal, state or local level, you may want to tell them about a scholarship available.

The Harry S. Truman Scholarship Foundation, established by Congress in 1975, provides scholarships for outstanding students with potential leadership ability who plan careers in government service.

Jack Stevenson, director of the Honors Program, says that two Clemson students can be nominated for the 1985 nationwide competition in which 105 scholarships will be awarded. The award covers eligible expenses up to \$5,000 each year for the junior year, the senior year and two years of graduate study.

"It would certainly be desirable for someone from Clemson to be accorded this honor," he says, adding that one nominee from each state will be chosen, along with 52 additional scholars "at large."

To be eligible, says Stevenson, students must be full-time sophomores working toward or planning to pursue a baccalaureate program; have a "B" average or equivalent; place in the upper fourth of the class; and be a U.S. citizen or U.S. national planning a career in government.

Those students who would like to enter the competition should send a letter of application to Stevenson by Nov. 23. The application should include a statement of career plans, a list of past public service activities or other leadership positions, a current transcript, and a 600-word essay discussing a public policy issue of the student's choice.

Applications should be sent to Stevenson at Suite 532, The Clemson House.

### DID YOU KNOW?

A recent report by the National Science Foundation ranks Clemson 58th among the nations top 200 research-and-development campuses in terms of annual support from industry. In terms of percentage of industry support, Clemson ranks third in the entire Southeast. Clemson is the only school listed in the top 100.

## Clemson Weekend package offered on Oct. 27 game

Faculty and staff members planning to go to the Clemson-North Carolina State football game Oct. 27 may want to take advantage of special room rates being offered by the Radisson Plaza Hotel Raleigh, says Len Gough, assistant executive secretary of IPTAY.

The Radisson, which has been designated "Official Clemson Weekend Headquarters" for the game, will charge \$46 per room for Friday night and \$40 per room for Saturday night (if you plan to stay both nights).

Clemson guests at the hotel will also get a 10 percent-discount on Sunday brunch.

For reservations and more information, call 1-800-228-9822, and identify yourself as being a part of the Clemson Weekend package.



**Double-dipping** -- "It's my turn, Dad," says young Patrick Shealey, as he shares some Clemson ice cream with his dad, Tom, during Sept. 23 open-house festivities at the Visitor's Center. Tom, Experiment Station news editor, tried an ice cream double-dipping experiment with his son and apparently came out on the losing end of the deal. Better luck next time, Dad.

## Thermostats feel seasonal change

What goes up must come down. A that means especially the thermostats your office.

Thermostats for all buildings have been turned down to the winter setting of 68 F, says Walter Stone, Physical Plant director, and domestic hot water will be maintained at 105 F (unless higher temperatures are necessary for health and research purposes).

The adjustments are made twice yearly in accordance with the State Budget and Control Board's 1980 resolution that mandates summer and winter temperature settings for all state buildings.

"All thermostats are set by the Physical Plant," says Stone, "and adjustments are made to the mechanical systems in each building for the best operating conditions and conservation of energy."

Stone says he appreciates the cooperation of employees who continue to help save energy. It will not be necessary, he says, to refile for previously awarded exemptions or exceptions.

Only Physical Plant personnel are authorized to change thermostat settings and adjust mechanical equipment. To report a malfunction, call 656-2186.

## Send your research applications to OUI before Nov. 2

Applications for University Research Grant Committee funds should be in the Office of University Research (E-1 Martin Hall) not later than Nov. 2, 1984.

The committee accepts applications from faculty holding tenure/tenure-track positions with titles of "assistant professor," "associate professor" or "professor."

The committee makes awards to new faculty, to faculty members redirecting research interests, and to faculty members in areas where research support is inadequate or nonexistent.

Application forms and instructions are available, on request, in the Office of University Research. The committee will consider only those applications using the committee application form.

If you have questions or wish further information, please call the Office of University Research at 656-2375.

## Bowling Club needs adviser

So you're the type who can bowl over, huh? If you're willing to toss in a little advice as well, the Bowling Club needs you. Call Sue Rowan at 656-45 or Teresa Paschal Evans at 656-2153.



OCT 11 1984



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance.  
Please send in writing to the Department of Publications and Graphics  
Services, 103 Fike, any campus event that should be listed. You  
may also want to call 656-2467 to check the Internal Communications'  
master calendar for possible scheduling conflicts.*

## Oct. 12-19

### WORKSHOPS, MEETINGS AND SHORT COURSES

- 13-14 Short Course: Backpacking and Nature Photography. Sponsored by University Union, 7-9 p.m., \$65. Sign up at Union Information Desk, or call 656-2461 for more information.
- 13 Short Course: Rockclimbing, with emphasis on equipment and climbing techniques. Sponsored by University Union. Call 656-2461 for more information.
- 13-14 Short Course: Introduction to Backpacking. Sponsored by University Union, \$45. Call 656-2461 for more information.
- 13-14 Short Course: Kayaking #2, including classroom instruction, practice and mini-expedition. Sponsored by University Union, \$20. Call 656-2461 for more information.
- 15-16 Seminar: Management Skills for Secretaries. Sponsored by Professional Development, Holiday Inn, Clemson. Call 656-2200 for more information.
- 17 Short Course: Copyright It Yourself. Sponsored by University Union, 7-8 p.m. Call 656-2461 for more information.
- 17-19 Workshop: Membrane Development Technology. Sponsored by Continuing Engineering Education, P&A Building Auditorium. Call 656-3308 for more information.
- 17 Discussion series: "The German Churches Under Hitler" by Don McKale, a professor of history, the Presbyterian Student Center, College Ave., noon-12:50 p.m. Faculty, staff and students invited. Call 656-3153 for more information.
- 19 Meeting: Linkup -- an organization for all users and potential users of computers. Sponsored by College of Agriculture, Room D-135, P&A Building, 2 p.m. Call 656-3102 or 656-2396 for more information.

### FILMS

- 12-13 "Uncommon Valor." Sponsored by University Union, Y-Theater, 7 p.m. and 9:15 p.m., \$1.50 with University I.D. Call 656-2461 for more information.
- 14 "Kelly's Heroes." Sponsored by University Union, Y-Theater, 8 p.m. Free with University I.D. Call 656-2461 for more information.
- 15 "Diamonds Are Forever." Sponsored by University Union, Y-Theater, 8 p.m., \$1. Call 656-2461 for more information.
- 16 "Paris and the Nineteenth Century Novelists." Sponsored by College of Liberal Arts, 111 Hardin Hall, 9:30 a.m., free, open to public. Call 656-3263 for more information.
- 17 "Local Hero." Sponsored by Five Directions Cinema, Y-Theater, 7:30 p.m., \$2, open to public. Call 656-3151 or 656-3069 for more information.

# THE NEW YORK PUBLIC LIBRARY

ASTOR LENOX TILDEN FOUNDATION  
455 FIFTH AVENUE, NEW YORK, N. Y.

Author	Title	Call Number
A. B. C.	The Alphabet	AZ 101
D. E. F.	The Alphabet	AZ 102
G. H. I.	The Alphabet	AZ 103
J. K. L.	The Alphabet	AZ 104
M. N. O.	The Alphabet	AZ 105
P. Q. R.	The Alphabet	AZ 106
S. T. U.	The Alphabet	AZ 107
V. W. X.	The Alphabet	AZ 108
Y. Z.	The Alphabet	AZ 109

- 17 "One Flew Over the Cuckoo's Nest." Edgar's, 3:30 p.m., free.
- 18 "Strange Brew." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m., \$1.50. Call 656-2461 for more information.

#### OTHER EVENTS

- Through Nov. 15 YMCA Volleyball Clinic. Sponsored by YMCA, Thursdays, 6-8 p.m., recreation area. Call 654-2361 for more information.
- Through Nov. 15 Dancin' Aerobics. Sponsored by YMCA, recreation area. Open to adults and teenagers. Call 654-2361 for more information.
- Through Oct. 31 Exhibit: "The Rare Book Collection of the Robert Muldrow Cooper Library," featuring examples of outstanding items from its holdings. Located in main lobby, Cooper Library and Special Collections Reading Room, level 2. Call 656-3024 for more information.
- 12-19 Women's fitness classes. Sponsored by YMCA, YMCA Center, Monday, Wednesday, Friday at 9-10 a.m. (babysitting service available) and 10:15-11:15 a.m.; and on Tuesday and Thursday at 4:45-5:45 p.m. and 6:30-7:30 p.m. Call 654-2361 for more information.
- 13 Dental Admission Test. Sponsored by Counseling and Career Planning Center, 8 a.m.-3 p.m. Call 656-2451 for more information.
- 13 Graduate Record Exam. Sponsored by Counseling and Career Planning Center, 8 a.m.-5 p.m. Call 656-2451 for more information.
- 13 Trip to Carl Sandburg's Home in Flat Rock, N.C. Sponsored by University Union, 8 a.m.-5 p.m., \$10 includes transportation. Call 656-2461 for more information.
- 14 Whitewater rafting on the Chatooga River, section 4. Sponsored by University Union, \$50. Call 656-2461 for more information.
- 15 Placement orientation. Sponsored by Student Placement Office, Student Senate Chambers, 10:10 a.m. Call 656-2152 for more information.
- 15,17 Pre-natal exercise class. Sponsored by YMCA, YMCA Center, 6:30-7:30 p.m. Call 654-2361 for more information.
- 16 Soccer. Davidson College, 8 p.m., here.
- 17 Clemson University Concert Series: The Masterplayers of Lugano, 17-piece chamber orchestra from Switzerland. Sponsored by music department, Tillman Hall Auditorium, 8 p.m. Students present activity cards for admission, others present season tickets (\$20 for adults, \$10 for students), or tickets may be purchased in Tillman Hall lobby prior to performance (\$6 and \$2). Call 656-3043 for more information.
- 19-21 Soccer. Clemson Invitational, with Florida International, Tampa and N.C. State, 6 and 8 p.m. each day.

The first part of the paper discusses the general theory of the subject, and the second part discusses the application of the theory to the case of the University of Chicago. The author concludes that the theory is applicable to the case of the University of Chicago, and that the application of the theory to the case of the University of Chicago is a necessary and important step in the development of the theory.

The author also discusses the importance of the theory in the development of the subject, and the importance of the application of the theory to the case of the University of Chicago. The author concludes that the theory is applicable to the case of the University of Chicago, and that the application of the theory to the case of the University of Chicago is a necessary and important step in the development of the theory.

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REFERENCES

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# Newsletter

OCT 18 1984

October 17, 1984  
Vol 24, No 9

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY



**Kellogg grant** -- A \$100,000 matching grant was presented here Sept. 27 to the colleges of liberal arts and agricultural sciences. The grant will help the University develop a new curriculum in the areas of agricultural literacy and human nutrition. Presenting the check to President Bill Atchley was John Kornacki, grants and fellowships program assistant from the Kellogg Foundation. Looking on are (left) Chris Sieverdes, an associate professor of sociology and co-director of the program, agricultural sciences dean Luther P. Anderson, and (right) liberal arts dean Robert Waller.

## Liberal arts joins ag sciences to promote agricultural literacy

The W.K. Kellogg Foundation has given a \$100,000 matching grant to the colleges of liberal arts and agricultural sciences to help promote agricultural literacy.

With the grant the colleges are sponsoring an interdisciplinary program to create new courses and curriculum modules which will promote agricultural literacy and human nutrition awareness among undergraduate students.

Titled "Food Issues and Agricultural Literacy," the three-year cooperative venture between the two colleges is one of perhaps a dozen similar programs at other land-grant universities and private liberal arts colleges in the country.

The project will focus on developing courses, films, television documentaries, lectures and workshops all designed to improve agricultural literacy. An array of topics will be featured, ranging from the changing character of the rural labor

force to the image of food in literature, music and the media.

John Kornacki, grants and fellowship program assistant from the Kellogg Foundation, says that the program will emphasize the importance of understanding how agriculture and human nutrition help determine the quality of life.

"A well-developed liberal arts curriculum should include studies on food issues," he says. "Agriculture is as important an issue there is for people to know about."

Food growers have largely an "unknown" image among young people today, Kornacki says, and this program, which he believes to be the only one of its kind in the country, should help raise the visibility of agriculture producers.

Liberal arts dean Robert Waller says one outgrowth of the program may be Extension summer internships for liberal

arts students. "They would maybe work with Extension agents on the job and get an appreciation for the hard work that goes into growing food," he says.

He notes also that the first program in the lecture series will be Oct. 22 in 108 Strode Tower when Gilbert Fite, Richard B. Russell Professor of History at the University of Georgia, will lead a discussion on "Making Agricultural History a Part of a Humanities Curriculum."

That same evening at 6:30 in Room 100 Earle Hall Fite will speak on "20th Century Southern Agriculture."

Chris Sieverdes, a professor of sociology, and Jere Brittain, director of the Integrated Pest Management Program, are co-directing the eight-member team that planned the project. Sieverdes says the project is a response to the "tremendous change" that South Carolina is experiencing in its rural-urban population shifts and in its agricultural base.

"In order to mesh the needs and concerns of the rural and urban populations," says Sieverdes, "it is important that we educate the urban community. Since liberal arts is more concerned with the quality of life and agriculture with productivity, we're going to try to bring the two together."

During phase one of the project, faculty members from all colleges will be invited to help build a curriculum of modules or new courses related to food production and nutrition. Mini-grants of approximately \$2,000 annually will be awarded for faculty proposals that will help to create an interdisciplinary curriculum.

### Submitting proposals

The proposal deadline is Nov. 15, 1984, for 1984-85 proposals. You should submit eight copies of your proposal and use the printed forms available in the program office at 801 Strode Tower.

The proposal should be typed, single-spaced and no more than three pages long. It should contain a narrative statement regarding objectives, University needs being met, role of participants, implementation, evaluation procedures, and budget description.

Topical areas may include, but are not limited to: food production and use; human nutrition and food issues; food

(Continued on page 2.)

(Continued from page 1.)

additives and marketing; the image of food in literature, music and the media; land use and soil erosion; urban sprawl and land-use policies; female role in agriculture; future of the small farmer; black farmers; migrant labor; Third World role in American agriculture; ethical issues related to genetic engineering.

Send your proposal to The Liberal Arts and Agricultural Literacy Program, 801 Strode Tower.

For more information on the program call Sieverdes at 656-3238 or Brittain at 656-3403.

## Thurmond Institute receives \$250,000 for water study

The Thurmond Institute has received a \$250,000 grant for a comprehensive study of water resources in South Carolina, the second-fastest growing water use state in the country.

Funded by the S.C. Water Resources Commission, the study will identify potential water problems and examine policy, capacity and distribution, as well as the economic and legal aspects of the state's water supply.

The final report will give an analysis of the future water supply needs and capabilities of the state's 1,400 water systems and will include alternatives for addressing water problems.

The results will be forwarded to the water resources commission and other policy-making agencies.

Jim Hite, project researcher and Senior Fellow of the Institute, says, "While South Carolina is not running out of water, there is the potential for serious conflicts over use at particular places and particular times.

"In addition, there is the potential for serious problems in financing adequate, well-maintained water distribution systems."

South Carolina's total water consumption jumped by 500 percent between 1955 and 1980, making it second only to Florida as the fastest growing water use state in the country.

Thurmond Institute director Horace Fleming says that the research is "critical to the future wise use of our water resource and to the future of development in this state," and that the resulting report should substantially benefit planners and policymakers.

The research here will involve, in addition to the Institute, the departments of planning studies, political science, history, agricultural economics, and management. And included in the research will be the College of Business Administration and the geography department at the University of South Carolina.

## New computer lab links University with government

The early results of a million-dollar research program for the U.S. Defense Department -- a newly-outfitted computer lab and a nationwide communications network the lab supports -- will be unveiled this Friday, Oct. 19, during ribbon-cutting ceremonies in Room 100 in the Nursing Building.

Charles K. Watt, acting director of test and evaluation in the Office of the Secretary of Defense, will be on hand to tour the facilities that are enabling thousands of researchers working on defense projects to talk to each other instantly and simultaneously.

The Defense Department has invested nearly a million dollars in the computer science department here to develop a nationwide computer communications network linking dozens of government, industry and university sites where researchers are working on massive computer simulations of wartime situations.

Watt called computer simulations an integral part of the Defense Department's ongoing effort to make sure every piece of the country's defense mechanism will work when needed.

Computer scientist Ed Page says that because researchers have in the past had no way to share their findings immediately, "a lot of people are out there re-inventing the wheel."

"From our own involvement with simulations research," he says, "we saw that there was a big need for some method of information sharing."

Under the \$970,000 contract, scientists here will work simultaneously on a half-dozen projects to get a communications network operational in less than two years. Part of the funds purchased four NCR Tower 1632 super microcomputers to equip the lab.

The lab is the heart of a temporary communications network Clemson has developed called "TECNET," for "test and evaluation community network."

A tailored version of a commercial electronic mail system, TECNET cur-

rently allows Air Force, Army and Navy research facilities, the Pentagon, major government and industry defense contractors, and research universities, such as Clemson, to communicate electronically.

The system also provides daily new updates on the aerospace industry and access to special bulletin boards that allow members to learn about meetings, read recent research findings or seek help in locating information.

Also in the works is an electronic-mail relay system -- a computerized version of the post office -- that will automatically exchange messages between computer systems at various sites around the country, and a Database Gateway which will allow TECNET members to use their own computer terminals to search for information in dozens of databases at once.

Other projects in the same contract are aimed at improving the procedures for doing simulations and developing a way to link the actual simulations being developed at different locations. Both improvements would reduce the time and effort involved in writing simulation programs, Page says.

President Bill Atchley says the Defense Department would get a twofold return on its investment in the research project.

"Good communication is the key to efficiency in any operation," he says. "And a more efficient research operation will benefit both our defense systems and our pocketbooks. Anytime you can eliminate unnecessary duplication of effort, it saves money and ensures that we're getting the most for our research dollars."

### DID YOU KNOW?

Pioneering research projects at Clemson's Sandhill Agricultural Experiment Station provided the basis for a successful 10-point program for peach tree short life, a devastating disease within the peach industry. Despite the crippling winters of recent years, the peach industry contributes between \$40 million and \$50 million annually to the state's economy.



The Clemson University Newsletter is published for Hurley Bruce Gordon, a custodial worker in the P&A Building, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

## Mayor joins Riley in saluting higher education

Calling on the citizens of South Carolina to support the cause of higher education, Gov. Richard Riley has proclaimed Oct. 13-20 as National Higher Education Week in South Carolina.

And Clemson Mayor H.J. Webb has joined the governor by proclaiming that time as Higher Education Week in Clemson.

Gov. Riley issued the proclamation to help promote the efforts of the Council for Advancement and Support of Education in recognizing the significant contributions of universities and colleges to society.

In his proclamation Riley called on all the citizens to join with him in "supporting the aims, goals and programs of the Council for Advancement and Support of Education and the State Commission on Higher Education during this week and throughout the year for the benefit of all people in our great state."

The proclamation honors "the colleges and universities of the State of South Carolina in grateful acknowledgement of the exceptionally outstanding educational contributions which they make locally, regionally and nationally."

Mayor Webb, in his proclamation said, "The City of Clemson is most fortunate to be the home of an outstanding institution of higher learning and has helped this university become part of the answer to the complex problems facing our city, state, and nation."



**Hooked on books** -- Children's literature books, that is. English Prof. Malcolm Usrey has channeled his love for children's literature into arranging for the past 14 years here the annual Children's Literature Symposium. The symposium, to be held Oct. 27, will help introduce adults to the world of children's literature. One of Usrey's most recent favorites is the lavishly illustrated retelling of the story *Babushka*.

## Symposium draws adults to world of children's books

An injured foot and a mother intent on her son reading good books combined in his childhood to introduce English Prof. Malcolm Usrey to a love of children's literature, a love that has continued over the years.

"Oh, I read all the time when I was growing up," says Usrey, a teacher of children's literature, "although not always the kinds of books my mother wanted me to read."

Growing up in a rural area where visiting the library was his main form of recreation, Usrey says he became "hooked" on a popular series of books which were hardly considered literature.

"When I injured my foot and couldn't go to the library, I asked my mother to get some books for me," says Usrey, "so she asked the librarian to pick out a stack of 'good' books. And I don't remember what all was in there, but I do remember *The Yearling*."

The collaboration between his mother and the librarian served as an enticement into the world of children's literature for Usrey, who 14 years ago began the Children's Literature Symposium here.

"Many adults don't know that the world of children's literature exists," says Usrey. "The Symposium brings together professionals in the field to give people an opportunity to learn what good writing and illustrating is being done in children's books."

Usrey gives credit for the success of the symposium, which annually draws several hundred children's book lovers,

to cooperation between the colleges of liberal arts and education and to volunteers from architecture. "Teachers, librarians and students -- they're all just wonderful about volunteering their help," he says.

This year's symposium on Oct. 27 will feature authors Isabelle Holland and Jean Harmeling and illustrator Janet Stevens.

Best known for her young adult novel *The Man Without A Face*, Holland has also written books for younger children including *Dinah and the Green Fat Kingdom* and *Alan and the Animal Kingdom*.

Stevens, a children's book illustrator from Atlanta, has recently published a new Holiday House edition of Edward Lear's *The Owl and the Pussycat*.

Harmeling's latest publication, *The Incredible Will of H.R. Heartman*, is a contemporary variation on the theme of *Pilgrim's Progress* for 10- to 14-year-olds.

"Children have a lot of insight into complex concepts," says Usrey. "They grasp more of a story than we realize. Really, the only difference in literature for children and that for adults is in the degree of complexity."

Books in varying degrees of complexity by all three authors will be on sale at 8:45 a.m. and 2:30 p.m.

The registration fee for the program, which begins at 8:45 a.m. in Daniel Hall Auditorium, is \$10 for the public. (Faculty, staff and students may attend free.)

(Continued on page 4.)

**WE  
HAVE  
THE  
FUTURE  
IN  
MINDS**

(Continued from page 3.)

During the program Stevens will be talking at 9:30 a.m. on illustrating books for children, and Harmeling will speak at 10:30 a.m. on getting started in writing for children.

At noon Holland will talk about how she became a writer, and at 1:30 p.m. the symposium moves to the Holiday Inn for a luncheon (\$7 for all participants) where Lucy Rollin, an instructor of English, will talk on rites of passage in Holland's adolescent novels.

To pre-register for the symposium and to reserve a lunch ticket, send your name, address and check (payable to Clemson University) to Deuel Griffin, Department of English, Clemson University, Clemson, S.C. 29631.

## Staff Commission starts to work

The Commission on Classified Staff Affairs has completed the lengthy task of drawing up the procedural guidelines under which it will operate. And in that process, says chairwoman Jane Kidd, the commission has assigned its members to four working committees.

Kidd praised members of the commission on both the time and effort they have put into laying the groundwork for the commission to do its work. "I think they've done a super job, and we're all looking forward to really getting down to work now," she says.

In addition to the Executive Committee, other committees have been created in the areas of welfare, policy and communications.

The primary role of the Executive Committee will be to refer items -- especially those submitted by classified staff members -- to the appropriate committees for review and recommendations.

Executive Committee members are Kidd (University Relations), commission vice chairman Gary Pringle (Physical Plant) and ex-officio members Ron Herrin (Payroll and Employee Benefits) and Ray Thompson (Personnel).

The Welfare Committee, chaired by Marty Koldyke, (College of Education) will consider issues such as the development of job and supervisory skills, compensation, benefits and other welfare concerns of classified staff.

Other members of that committee are Pat Durham (College of Architecture) and Flora Walker (College of Liberal Arts).

The Policy Committee will formulate and recommend University-wide policies and procedures that relate specifically to classified staff. Paul Gable (Extension Administration) chairs that committee, which is made up of Gary McCombs (Business and Finance) and Dianne

Haselton (College of Agricultural Sciences.)

Headed by Alice Allen (Registrar's Office), the Communications Committee will work to create "a forum for two-way communications of ideas and concerns that specifically relate to classified staff and the University mission and [to develop] a systematic means for communicating to all classified staff employees existing University policy and specific actions and feedback concerning all matters considered by the Commission."

Serving on this committee are Emma Barber (Livestock and Poultry Health) and Martin Fowler (College of Sciences).

The commission is presently studying how to promote staff attendance and involvement in University-wide faculty-staff meetings and is discussing the possibility of including staff accomplishments in the Departmental Notes section of the *Newsletter*.

The commission encourages visitors to attend its meetings, which are held the second Tuesday of each month at 10 a.m. in the Jordan Room in Jordan Hall.

## Tigerama '84 and Cosby promise lots of laughs for all

"See you in the funny papers" may well be the word around here Oct. 19 as Tigerama '84 kicks off Homecoming weekend at 7 p.m. in Death Valley, followed the next evening by comedian Bill Cosby and company.

With the theme "Cartoon Clemson," the Tigerama show will include students performing cartoon skits ranging from "Fat Frank Howard and the Ford Kids" to "Eppley in Smurfland."

Emcees for the show will be local media personalities Russ Cassell, WFBC Radio Morning Show host, and Jane Robelot, host of Carolina Noon.

Tickets for the evening's events, which will include the crowning of the 1984 Homecoming Queen, are \$1.50. You may buy them at these locations:

-- Clemson: Mr. Knickerbocker, Lynch's Drug Store, Holiday Inn, Clemson House, Student Life Office in Mell Hall, Student Affairs Office in Sikes Hall, Alumni Center, Harcombe and Schilleter dining halls, and from any Clemson Band or Blue Key member.

-- Greenville: Mr. Knickerbocker at Haywood Mall.

-- Anderson: C&S Bank (main branch).

-- Columbia: Robinson Cleaners.

Tickets will also be on sale the night of the show at Gates 1, 5, 11 and 13. Tigerama '84 is coordinated by Blue

Key Honor Fraternity and produced by WSBF-FM, the student radio station.

### Cosby at Littlejohn

The next evening on Oct. 20 comedian Bill Cosby will be dishing out his own brand of craziness at 8 p.m. in Littlejohn Coliseum.

Tickets for the Cosby show, co-sponsored by the University Union and the Alumni Association, will be \$8, \$10 and \$12. You may get them at the Union box office and at all the usual Union ticket outlets, including The Music Maker in Easley and Duffy's Western Shop in Seneca.

Call the Union at 656-2461 for more information on the Cosby show.

## OUR needs your application before Nov. 2

Applications for University Research Grant Committee funds should be in the Office of University Research (E-10 Martin Hall) not later than Nov. 2, 1984.

The committee accepts application from faculty holding tenure/tenure-track positions with titles of "assistant professor," "associate professor" or "professor."

The committee makes awards to new faculty, to faculty members redirecting research interests, and to faculty members in areas where research support is inadequate or nonexistent.

Application forms and instructions are available, on request, in the Office of University Research. The committee will consider only those applications using the committee application form.

If you have questions or wish further information, please call the Office of University Research at 656-2375.

## Get ticket refunds now from cancelled Gayle concert

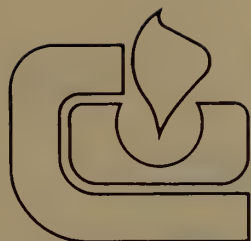
To get your ticket refund on the Oct. 12 Crystal Gayle concert which was cancelled, return your ticket to the place where you purchased it, says Bill Mandicott, University Union program director.

Gayle's concert, which was cancelled because of a scheduling conflict, will be rescheduled at a later date.

"We regret any inconvenience the cancellation may have caused, and we look forward to your support in the future," says Mandicott.

The deadline for ticket refunds is Oct. 18.





# Events

OCT 19 1984

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

## Oct. 19-26

### WORKSHOPS, MEETINGS AND SHORT COURSES

- 19 Meeting: "Linkup" -- an organization for all users and potential users of computers. Sponsored by College of Agriculture, Lehotsky Hall, McAdams Hall and Cooper Library, 2 p.m. Call 656-3102 or 656-2396 for more information.
- 21,22,29 Short Course: First Aid. Sponsored by University Union, 6-10 p.m., cost \$6. Sign up at Union Information Desk. Participants will receive certificate in First Aid. Call 656-2461 for more information.
- 22 Short Course: "Emergency First Aid Session II." Sponsored by University Union, 6-10 p.m., \$10 fee includes book. Sign up at Union Information Desk or call 656-2461 for more information.
- 22-24 Workshop: "Plant Operators Forum." Sponsored by Continuing Engineering Education, Ramada Inn, Clemson. Call 656-3308 for more information.
- 23 Short Course: "Resume Writing." Sponsored by University Union, 7-9 p.m., free. Sign up at Union Information Desk. Call 656-2461 for more information.
- 24 Short Course: "Darkroom Skills." Sponsored by University Union, 7-9 p.m., \$10. Sign up at Union Information Desk. Call 656-2461 for more information.

### LECTURES

- 22 "An Inside View of M\*A\*S\*H" by Larry Linville, the actor who played Frank Burns in the TV program. Sponsored by Speakers Bureau, Tillman Hall Auditorium, 8 p.m. Call 656-2195 for more information.
- 22 "Making Agricultural History a Part of a Humanities Curriculum" by Gilbert Fite, Richard B. Russell Professor of History at the University of Georgia. Sponsored by College of Liberal Arts, 108 Strode Tower, 3:30 p.m. Open to public. Free. Call 656-3238 for more information.
- 22 "Southern Agriculture" by Gilbert Fite, Richard B. Russell Professor of History at the University of Georgia. Sponsored by College of Liberal Arts, Room 100, Earle Hall, 6:30 p.m. Open to public. Free. Call 656-3238 for more information.
- 24 "The German Churches Under Hitler," a discussion series by Don McKale, a professor of history. Sponsored by history department, Presbyterian Student Center, noon. Open to faculty, staff and students. Call 656-3153 for more information.
- 25 "Food as an Instrument of World Peace" by Dr. Earl Butz, former U.S. Secretary of Agriculture and Dean Emeritus, Purdue University. Sponsored by Thurmond Institute, Daniel Hall Auditorium, 3:30 p.m. Open to public. Free. Call 656-4700 for more information.

# THE ENGLISH

The English language is a member of the Indo-European family of languages. It is spoken by approximately 300 million people worldwide. The language has a rich history and has evolved over time through the influence of other languages and cultures.

One of the most significant influences on the English language was Old Norse, which contributed many words related to nature, weather, and everyday life. Another major influence was Latin, which provided the vocabulary for science, medicine, and law. The language also absorbed words from French, particularly during the Middle Ages.

The English language is characterized by its flexibility and adaptability. It has the ability to incorporate new words and phrases from other languages, making it a global lingua franca. This adaptability has allowed English to become the dominant language of international communication in the modern world.

Despite its global reach, the English language is not without its challenges. One of the most significant is the issue of dialects and accents, which can create barriers to communication. Additionally, the rapid pace of technological change has led to the emergence of new slang and terminology, which can be difficult to understand for those who are not familiar with them.

However, the English language remains a powerful tool for communication and a symbol of global unity. Its ability to adapt and evolve ensures that it will continue to be a dominant force in the world for many years to come. The English language is a testament to the power of human communication and the ability of a single language to bridge the gaps between different cultures and nations.

In conclusion, the English language is a complex and fascinating subject. Its history is filled with interesting stories and events, and its future is bright. As the world continues to become more globalized, the English language will undoubtedly play an increasingly important role in our lives. We should all take the time to appreciate the richness and diversity of this language.

## FILMS

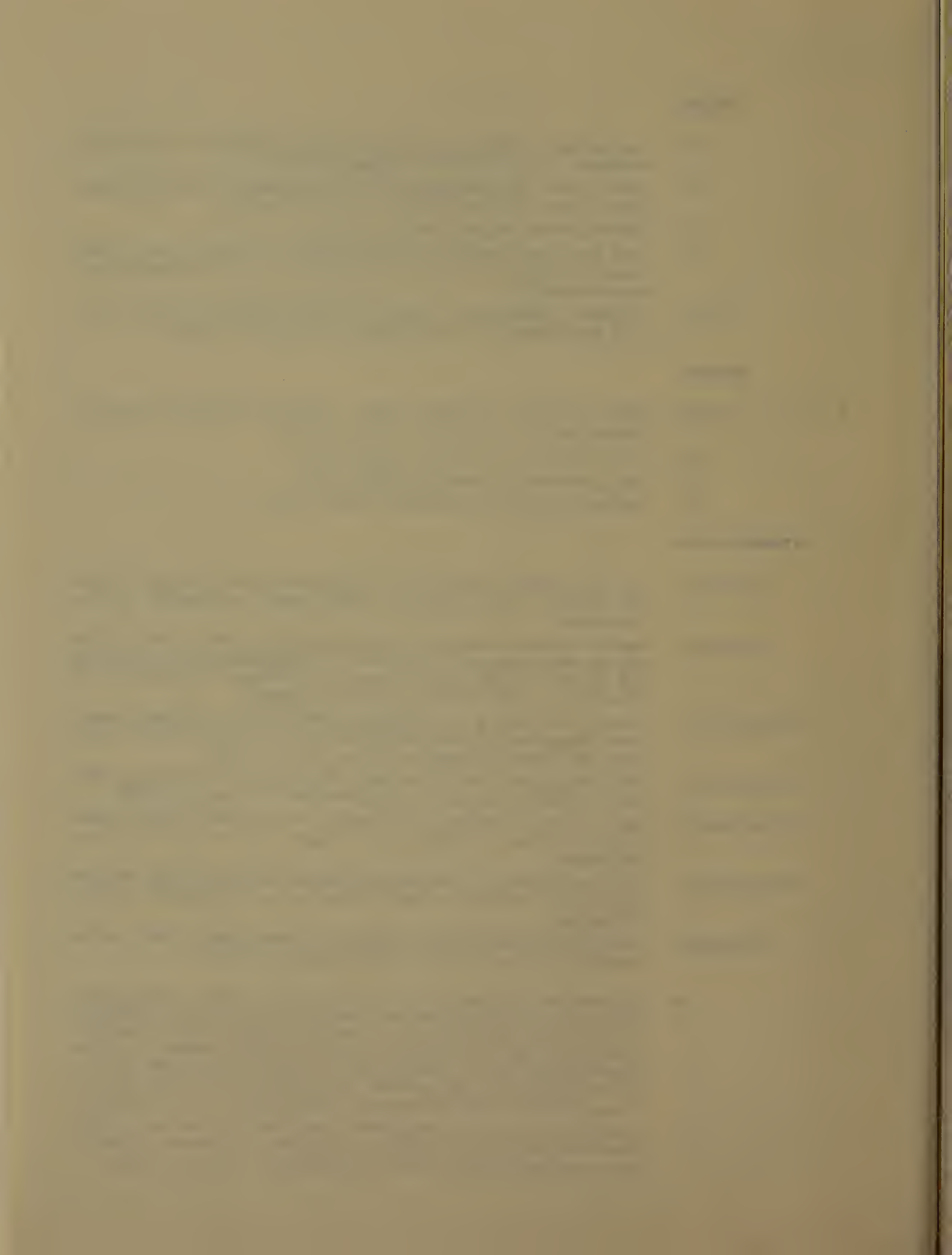
- 21 "Ice Castles." Sponsored by University Union. Y-Theatre, 8 p.m. Free with University I.D. Call 656-2461 for more information.
- 24 "Being There." Sponsored by Five Directions Cinema, Y-Theatre, 7:30 p.m. Open to public, \$2. Call 656-3151 for more information.
- 24 "Altered States." Edgar's, 3:30 p.m. Free.
- 25 "And Then There Were None." Sponsored by College of Liberal Arts, Hardin Hall Auditorium, 3:30 p.m., free. Open to public. Call 656-3263 for more information.
- 25-27 "Christine." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m., \$1.50 with University I.D. Call 656-2461 for more information.

## SPORTS

- 19-21 Soccer: Clemson Invitational. Teams featured are Florida International, Tampa, and N.C. State, 6 and 8 p.m. each day.
- 20 Football: Duke, 1 p.m., here, (Homecoming).
- 20 Men's swimming: Orange-White Meet, 10 a.m.
- 20 Women's swimming: Orange-White Meet, 10 a.m.

## OTHER EVENTS

- Continuous Pre-natal exercise class. Sponsored by Clemson YMCA Center, Mondays and Tuesdays, 6:30 to 7:30 p.m., YMCA Center. Call 654-2361 for more information.
- Continuous Women's fitness classes for all levels. Sponsored by YMCA, YMCA Center, Monday, Wednesday and Friday, 9-10 a.m. (babysitting service available) and 10:15-11:15 a.m.; or on Tuesday and Thursday, 4:45-5:45 p.m. and 6:30-7:30 p.m. Call 654-2361 for more information.
- Through Oct. 31 Exhibit: "The Rare Book Collection of the Robert M. Cooper Library," featuring examples of outstanding items from its holdings. Located in main lobby and Special Collections Reading Room on level 2.
- Through Nov. 15 YMCA Volleyball Clinic. Sponsored by Clemson University YMCA, Thursdays, recreation area, 6-8 p.m. Call 654-2361 for more information.
- Through Nov. 15 Dancin' Aerobics. Sponsored by Clemson University YMCA, YMCA recreation area. Open to adults and teenagers. Call 654-2361 for more information.
- Through Oct. 25 Adult tennis lessons. Sponsored by Clemson University YMCA, 5-6 p.m. and 6-7 p.m., twice weekly, YMCA recreation area. Call 654-2361 for more information.
- Continuous Round dancing. Sponsored by Clemson University YMCA, YMCA Center, Tuesdays, 8-10 p.m. Call 654-2361 for more information.
- 19 "Tigerama '84." Pep rally at 7 p.m. and the show at 7:30 p.m. Sponsored by Blue Key Honor Fraternity and WSBF-FM, Death Valley Stadium. Tickets, \$1.50, available at the following locations: Mr. Knickerbocker, Lynch's Drug Store, Holiday Inn, Clemson House, Student Life Office, Student Affairs Office, Harcombe and Schilleter Dining Halls, and any Clemson Band or Blue Key member. Tickets will also be on sale at gates 1, 5, 11, and 13 the night of the show. Call 656-2461 for more information.
- 20 Homecoming drop-in for accounting and finance alumni and friends. Sponsored by accounting department and finance department, SIRRINE Hall lawn, after football game. Free. Call 656-3265 for more information.



- 20 Graduate Management Admission Test. Sponsored by Counseling and Career Planning Center, 8 a.m.-noon. Call 656-2451 for more information.
- 20 Veterinary Aptitude Test. Sponsored by Counseling and Career Planning Center, 8 a.m.-noon. Call 656-2451 for more information.
- 20 Homecoming Show: Comedian Bill Cosby and special guests. Sponsored by University Union, Littlejohn Coliseum, 8 p.m. Tickets, \$12, \$10 and \$8 are on sale at Union Box Office. Call 656-2461 for more information.
- 22 Spanish Play given by students. Sponsored by languages department, Daniel Hall Auditorium, 8-10 p.m. Free. Open to public. Call 656-3393 for more information.
- 22 Career Day for students interested in health services professions. Sponsored by College of Nursing, Rooms 310 and 312 of Nursing Building, 10:30 a.m.-2:30 p.m. Open to all junior, senior and graduate nursing students. Students free. Exhibitors \$10. Call 656-3043 for more information.
- 23 Chamber Music Series: "Princess Ida," concert performance of Gilbert and Sullivan's operetta. Sponsored by music department, Daniel Hall Auditorium, 8 p.m. Open to public. Free. Call 656-3043 for more information.
- 23 Beat the Chairman in Pool. Sponsored by University Union, Union game-room, 7-10 p.m. Call 656-2461 for more information.
- 24 Performing Artists Series: Keith Burger--Mime. Sponsored by University Union, Tillman Hall Auditorium, 8p.m., \$3 for students, \$5 for public.
- 25 College Bowl: Intramurals in Senate Chambers, 6-11 p.m. Sign up at Union Information Desk. Call 656-2461 for more information.
- 26 Last day to withdraw from class or the University without final grades.

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# Newsletter

October 24, 1984  
Vol. 24 No. 10

OCT 24 1984

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Crew will soon prepare Tillman tower for memorial carillon

Nobody wants bats in the belfrey, but bells in the clock tower are another matter.

So if, within the next few months, you see cranes hoisting metal braces and bars up to workmen crawling in and out of Tillman Tower, don't be concerned: The workers will only be shoring up the inside of the tower so it can hold a carillon, the first four bells of which have been donated by alumnus Rembert G. Horton of Conway.

Horton is donating the bells in memory of his brother, Capt. Lewis Samuel Horton Jr., an alumnus who was killed in World War II, and to the memory of all Clemson alumni killed in defense of

our country.

Though Horton's gift is a memorial to his brother, assistant vice president for development Jeff McNeill says it is also the starting point for a general memorial campaign to raise the funds to complete a carillon of 47 bells.

The drive will require some \$230,000 in support from Clemson friends willing to contribute memorial bells for the Tillman carillon.

To get the tower ready for the carillon a steel skeleton must be built to help bear the weight of the cast bronze bells, says Sam Dillard, work order supervisor in charge of the mechanics of the installation.

The initial four bells given by Horton -- which could be in place by May 1985 -- will weigh 3,936 pounds, says Dillard, with the complete set of 47 totaling 44,000 pounds.

Seventy-eight percent copper and 22 percent tin, the bells will be cast by van Bergen Bellfoundries Inc. of Atlanta, the U.S. distributor for Paccard-Fonderie de Cloches of Annecy, France.

The complete system will produce a variety of familiar musical pieces -- including, most notably, the "Westminster Chimes" -- and will have the ability to play entire melodies from a digital player/recorder system.

There'll also be a new clock and clock drive in the tower, and the hours will continue to sound.

Some of the van Bergen Bellfoundries major carillon installations have been at the University of California at Berkeley; Idlewild Presbyterian Church in Memphis, Tenn.; the Rouen Cathedral in Rouen France; Hollins College in Roanoke, Va.; the Cathedral of Saint Benigne in Dijon, France; and, most recently, Texas A&M University in University Station, Texas.

McNeill says the fate of the existing bell in Tillman has not been decided. One possibility, he says, is to place the bell, with a plaque explaining its historical significance to the University, in an appropriate place on campus.

The overall installation of the four new bells will be under the direction of Harmannus (Harry) H. van Bergen, a seventh generation bellfounder.

Though a Hollander by birth, van Bergen happened to be here in South Carolina in 1940 (during World War II) where his family was installing a set of bells. Rather than return to the Netherlands, the family decided to stay in the United States.

Nine years ago the family decided to quit making bells and to sell them instead.

While admitting that bells in our age no longer serve any practical purpose, van Bergen points out that they last. "Bells lend an air of permanency," he says. "A church may be torn down and relocated, but the bells will always be moved to the new location."

For additional information about the carillon memorial campaign, call McNeill at 656-2121.



**Honorable celebration** -- Jack Stevenson (left), director of the honors program, had quite a few honored guests Oct. 4 when he opened the doors to the new offices of Calhoun College in Suite 532 of the Clemson House. "A positive, pleasant environment is important in this program," said Stevenson, "for this is where some top students make the decision to choose Clemson." (Currently, 422 students are enrolled in the honors program.) Besides new quarters, including two offices and a kitchen, the honors program also has a new computer and a new secretary, Stephanie Bowers. With Stevenson here are open house visitors Vice Provost Jerry Reel, Mary Allison, staff assistant in Undergraduate Studies, and Mary Mungall, administrative assistant in the Office of Human Resources. By the way, the Calhoun College telephone number is also new -- 656-4762.

## Insect collections introduce public to beneficial bugs

Bugs. Most of us don't like them. And often, if we can't avoid them, they get swatted, squashed, or shrouded in a lethal cloud of insecticide.

Don Manley, an associate professor of entomology at the Pee Dee Research and Education Center, is concerned by this attitude. But he realizes the reaction is typical of those who don't appreciate the fact that many insects are beneficial to humans and the environment.

It's well known that insects like the boll weevil can destroy millions of dollars worth of cotton each year and that the tobacco budworm causes havoc in the flue-cured leaf that brings in more than



**Beneficial bugs** -- Not all bugs are bad bugs, says Don Manley, an entomologist at the Pee Dee Research and Education Center. He has distributed insect collections to Extension Service offices in each of the state's 46 counties. The collection and distribution project took a long time --three years -- but Manley hopes the collections will help people tell the difference between a good bug and a bad bug.

\$200 million to state growers.

However, there are also good insects out there in the fields busily munching away on the harmful ones. These beneficials -- as the insect specialists refer to them -- eat the eggs of the harmful insects, says Manley, or even lay their eggs on harmful species which can lead to the death of the host insect.

Manley has just completed a three-year project to help agricultural professionals and the public to become more knowledgeable in identifying economically harmful and beneficial insects found

throughout South Carolina. The project included the distribution of insect collections to the Extension Service offices in each of the 46 counties in the state.

Each collection is housed in a redwood box containing 40 insects painstakingly preserved, pinned and labeled. Examples of the insects range from the two-inch long cicada to the minute pirate bug.

For all its size, the cicada does little damage to the trees from where it broadcasts its racket-like noise. Meanwhile, the barely visible pirate bug, all one-sixteenth of an inch in length, is silently devouring millions of eggs of harmful insects that have been laid on a variety of economically important crops.

Manley's collections will serve as models for the youngsters in 4-H clubs statewide who are studying insects and who are assembling their own collections.

If you would like to see the collections, call your local county Extension Service office.

## President's Council approves proposal to shorten semester

A proposal to shorten the academic semester received Sept. 28 unanimous endorsement by the President's Council.

The proposal, presented by Vice Provost Jerry Reel, who chairs the Commission on Undergraduate Studies, means elimination of Saturday classes and gives faculty members more time between final exams and graduation to prepare grade rosters.

The new class hours, translated into minutes per semester, are:

Monday, Wednesday, Friday schedules -- 2,200 minutes;

Tuesday, Thursday schedules -- 2,175 minutes;

Summer sessions -- 2,250 minutes.

Faculty Senate President David Senn said the Senate's Scholastic Policies Committee had reviewed the proposed changes in the academic calendar and

had agreed that "it's an improvement but there are still a number of problems."

As examples of those problems, Senn said that the early start of the fall semester cuts into faculty attendance at professional meetings and conflicts with co-op students' work time.

In light of the problems that still need to be worked out in the calendar, Senn said, the Senate could support the proposed changes only for 1985-86 "rather than for the hereafter."

President Bill Atchley suggested that the study of the calendar is an on-going process that will inevitably produce more changes in planning for future years.

Other items to come up in commission reports were:

-- Vice President for Institutional Advancement Don Elam reported that he is receiving suggestions for promoting attendance at lectures and is passing suggestions on to the appropriate persons who would be responsible for implementing them.

-- Agricultural Sciences Dean Lutz Anderson said that all candidates for the position of Extension director have been interviewed and that the hiring decision will be made in the next few weeks.

President Atchley suggested that the Council combine its October and November meetings to avoid scheduling conflicts with other campus events late October. He set a tentative date Nov. 9 for the combined meeting.

## DID YOU KNOW?

Clemson's College of Education has developed an innovative method to provide computer literacy training for teachers throughout South Carolina with a mobile computer van. In less than one year, approximately 1,100 people have received instruction through the ComputerVantage project in programs ranging from short-term workshops to graduate courses in Educational Applications of Microcomputers.



The Clemson University Newsletter is published for Ray Turner, an associate professor of physics, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barret  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



# New Employees

*Editor's Note: The Newsletter and the Personnel Office this month begin a new feature to welcome new employees to the University. With Personnel providing the names, we will list new employees monthly throughout the year.*

The University welcomes the following employees who joined Clemson in August.

## Accounting

Byerley, Neil E., Lecturer.  
Prater, Mary Ann M., Lecturer.  
Ringeisen, Carolyn, Lecturer.  
Rumble, Clayton T., Lecturer.

## Admissions and Registration

Bodell, Audrey R., Key and Peripheral Equipment Operator II.  
Dill, Freda M., Administrative Specialist B.  
Ragsdale, Carmen L., Administrative Specialist A.

## Aerospace Studies

Raymond, John W., Lecturer.

## Agricultural Chemical Services

Moore, Sandra H., Chemist I.

## Agricultural Economics and Rural Sociology

Pomeroy, Robert S., Assistant Professor.

## Agricultural Engineering

Wilson, Thomas V., Visiting Professor.

## Agronomy and Soils

Stringer, William C., Associate Professor.

## Animal Sciences

Peters, Rachel C., Clerical Specialist

## Architecture

Zorn, Jackson M., Visiting Lecturer.

## Athletic Department

Washington, Rudolph M. Jr., Assistant Basketball Coach.

## Biological Program

Kosinski, Robert J., Assistant Professor.

## Building Maintenance

Hendricks, Charles V., Trades Worker.  
Mauldin, Elmer V., Trades Worker.  
Sherley, William F., Trades Craftsman.

## Building Science

Folkman, Robert W. Jr., Visiting Instructor.  
Hambrecht, Douglas A., Visiting Assistant Professor.

## Chemistry

Blankenship, Craig, Visiting Instructor.

Spurlin, Stanford R., Assistant Professor.

Storzer, Werner, Visiting Instructor.

## Civil Engineering

Goodman, Louis J., Visiting Professor.

## Computer Center

Cooper, Laurianne, Clerical Specialist C.  
Karakaya, Ferayi, Computer Programmer II.

## Computer Science

Ramayya, Deepti, Lecturer.

## Continuing Education Center

Campbell, John R., Clerical Specialist B.

## Custodial Services

Hamilton, Stanley L., Custodial Worker I.  
Smith, Audrey L., Custodial Worker I.

## Dairy Science

Tingle, Richard B., Agricultural Aide II.

## Dormitories

Blanding, James E., Custodial Worker I.

## Economics

Chappell, William F., Assistant Professor.  
Ersenkall, Caryl R., Visiting Assistant Professor.

## Electrical and Computer Engineering

Boyer, Thomas H., Visiting Instructor.  
Hill, Roland B., Visiting Lecturer.  
McAuliff, Dan, Lecturer.  
Veillette, Robert J., Visiting Instructor.

## Engineering Graphics

Cleveland, Linda C., Visiting Instructor.  
Dandawate, Bhushan V., Visiting Instructor.

## Engineering, Office of the Dean

McDade, Mary P., Administrative Specialist A.

## English

Austin, Jeanne V., Visiting Instructor.  
Backus, John N. Jr., Instructor.  
Holt, Albert H., Visiting Associate Professor.

Inman, Sue L., Visiting Instructor.

Riley, Craig S., Visiting Instructor.  
Robinson, Janice D., County Extension Agent.

Street, Stephen M., Visiting Instructor.

## Entomology

Otto, Joanne M., Agricultural Sciences Assistant I.

## Extension Service

Anderson, Brenda L., Program Assistant.

Causey, Carolyn J., Program Assistant.  
Clary, June W., Program Assistant.  
Cohea, Deborah A., Program Assistant.  
Faulkner, Carolyn H., Program Assistant.

Hill, Kimberly M., County Extension Agent Senior Associate.

Hudson, Edward M., Community Program Specialist.

Lucius, Gene P., County Extension Agent Assistant.

Lupton, Renee C., Program Assistant.

Patterson, Joyce S., Program Assistant.

Richardson, Dianne M., Program Assistant.

Robinson, Janice D., County Extension Agent.

Sluder, Mary J., Program Assistant.

Steele, Brenda R., Program Assistant.

Vasas, Gail B., Program Assistant.

Worden, Merle C., Program Assistant.

## Food Science

Gordon, Cynthia M., Visiting Assistant Professor.

## Forestry

Hong, Zhongli, Visiting Research Associate.

## Geology

Gunter, Gary L., Lecturer.

## History

Cass, Edward C., Visiting Assistant Professor.

## Housing

Nuttall, Pamela M., Clerical Specialist C.

## Languages

Cranston, Philip E., Visiting Associate Professor.

Rouse, Jane C., Visiting Instructor.

## Laundry

Brown, Laura F., Laundry Worker II.

## Library

Bargelt, Carole C., Library Technician Assistant II.

Holder, Jimmy R., Library Technician Assistant II.

Sturkie, Cathy T., Library Technician Assistant II.

Vanwagner, Nancy G., Library Technician Assistant II.

## Management

Roach, Kelly M., Clerical Specialist C.

Stengel-Cosper, Robin, Word Processor.

## Mechanical Engineering

Kumar, Ranganathan, Visiting Assistant Professor.

## Mathematical Sciences

Adams, Warren P., Assistant Professor.

(Continued on page 4.)

(Continued from page 3.)

#### Music

Team, Elizabeth H., Administrative Specialist A.

#### Parks, Recreation and Tourism Management

Dunlap, William R., Trades Supervisor I.

Picard, Donna J., Word Processing Operator.

#### Pee Dee Experiment Station

Godbold, Thomas Jr., Agricultural Aide I.

Isgett, Wendell C., Agricultural Aide II.

Poston, Deborah D., Vehicle Operator II.

#### Physics and Astronomy

Doiron, David J., Visiting Assistant Professor.

Reid, James L., Visiting Assistant Professor.

#### Poultry Science

Rucker, Jennie M., Agricultural Supervisor.

#### Professional Development

Giles, Elizabeth B., Key Entry Peripheral Equipment Operator II.

#### Security and Traffic Office

James, Johnnie F., Public Safety Officer.

Shook, Janis T., Clerical Specialist C.

White, Marian L., Clerical Specialist C.

#### Small Business Development Center

Cargill, Deborah D., Staff Development and Training Coordinator.

#### S.C. Energy Research and Development Center

Bub, Kathleen, Public Information Specialist.

Hedges, Walter N., Staff Development and Training Coordinator.

#### Student Health Center

McDonald, Rose M., Staff Physician and Lecturer.

Strickland, Sharon C., Staff Nurse.

#### Textiles

Goswami, Bhuvnesh C., Professor.

Hubbard, Julius C. Jr., Lecturer.

Lickfield, Gary C., Research Associate and Assistant Professor.

Nwokocho, Betsy D., Lab Equipment Specialist I.

Rankin, Ben F., Lecturer.

Satre, Marian C., Research Associate and Assistant Professor.

Sparks, James N., Book Store Manager III.

#### University Union

O'Connor, Patricia K., Student Program Adviser I.

Thomas, Marion E. Jr., Lab Equipment Specialist I.

#### University Book Store

Hogan, Donald K., Book Store Manager I.

## Travel Center offers holiday get-away to the Big Apple

How about a trip to the Big Apple to start this year's Christmas season off in a big way?

The University Union Travel Center is offering a four-day trip Dec. 1-4 to New York, with three nights at the Hotel Wellington in mid-town Manhattan.

Cost of the trip, \$289 (double occupancy), includes round-trip airfare from Greenville-Spartanburg Airport to La Guardia Airport on Eastern Airlines, and transfers to and from La Guardia to the hotel.

A \$100 deposit is due at the time you sign up, and the balance is due by Nov.

19. Sign-up deadline is Nov. 1.

For more information on the trip, call 656-2461.

## Deadline approaches for OUR application

Applications for University Research Grant Committee funds should be in the Office of University Research (E-1 Martin Hall) not later than Nov. 2, 1984.

The committee accepts applications from faculty members holding tenure-track positions with titles "assistant professor," "associate professor" or "professor."

The committee makes awards to non-faculty members, to faculty members redirecting research interests, and to faculty members in areas where research support is inadequate or nonexistent.

Application forms and instructions are available, on request, in the Office of University Research. The committee considers only those applications using the committee application form.

If you have questions or wish further information, please call the Office of University Research at 656-2375.



**Storytelling time** -- English instructor Lucy Rollin not only enjoys telling stories to children, she also likes talking about children's stories. She will be talking about rites of passage in the adolescent novels of Isabelle Holland, children's book author, at the 14th annual Children's Symposium here Oct. 27. The Symposium held in Daniel Hall, Strode Tower and at the Holiday Inn, runs from 8:30 a.m. - 5 p.m. Guest authors include, in addition to Holland, Jean Harmeling and Jane Stevens. For information on registration and to reserve a ticket for the luncheon call Deuel Griffin at 656-3421. The Symposium is sponsored by the English department and the College of Liberal Arts.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

OCT 24 1984

Oct. 26-Nov. 2

## WORKSHOPS, SEMINARS AND LECTURES

### October 1-31

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

### November 1-30

S	M	T	W	T	F	S
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

- 27 Children's Literature Symposium, with authors Isabelle Holland and Jean Harmeling and illustrator Janet Stevens. Sponsored by English department and College of Liberal Arts, Daniel Hall and Strode Tower, 8:45 a.m.-3 p.m., \$10 for public, free for faculty, staff and students. Call 656-3151 or 656-3457 for more information.
- 27 Meeting: Southeastern Bibliophile Society. An introduction to the holdings of special collections, a discussion of "Librarians and Collectors as Unintentional Enemies of Books," and a short business meeting. Sponsored by the Society, Cooper Library, 1:30-4:30 p.m. Open to public. Free. Call 656-3024 for more information.
- 30 Advisers' Workshop to keep faculty advisers abreast of changes in academic policy and curriculum. Daniel Hall Auditorium, 4-5:30 p.m. Call 656-3022 for more information.
- 30 "The German Churches Under Hitler," a discussion series by Don McKale, a professor of history. Sponsored by history department, Presbyterian Student Center, noon. Open to faculty, staff and students. Call 656-3153 for more information.
- 30-31 Seminar: Tire Cord Technology. Sponsored by Professional Development, Ramada Inn, Clemson. Call 656-2200 for more information.
- Nov. 1-2 Seminar: Inventory Control. Sponsored by Professional Development, Ramada Inn, Clemson. Call 656-2200 for more information.
- 2 Meeting: Linkup -- an organization for all users and potential users of computers. Sponsored by College of Agriculture, Room D-135, P&A Building, 2 p.m. Call 656-3102 or 656-2396 for more information.

## LECTURES

- 30 "The Relevance of NATO in the 1980's and Beyond" by the Honorable Gunther van Well Ambassador of the Federal Republic of Germany Sponsored by the Thurmond Institute Lee Hall Auditorium, 3:30 p.m. The address is free and open to the public.
- 31 "Maintaining Our Resupply Lines to NATO" by Lieutenant General Joseph M. Heiser Sponsored by the Thurmond Institute Olin Hall Auditorium, 9 a.m. The address is free and open to the public.

# The Bazaar

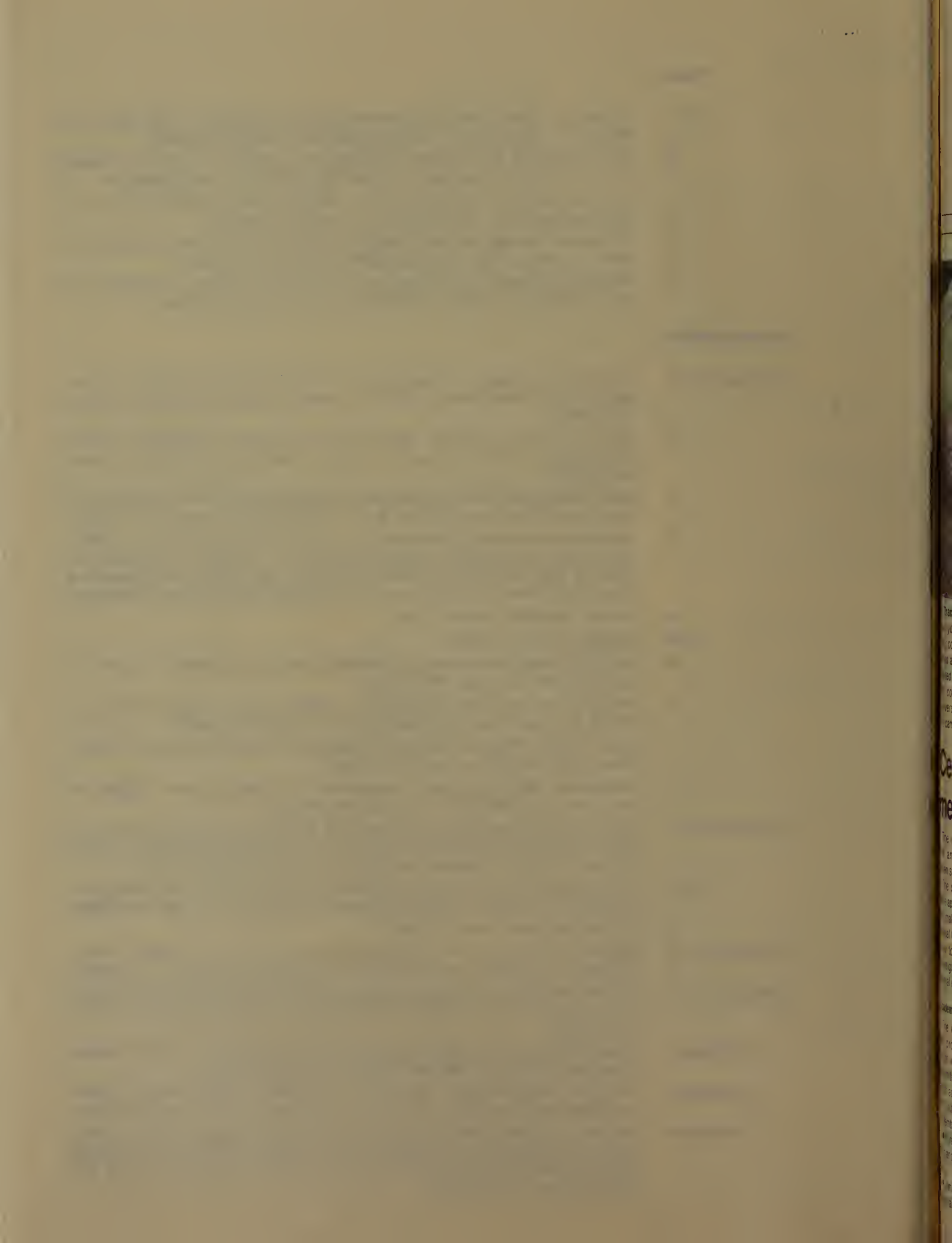
The Bazaar is a weekly market held in the town square. It is a place where people from all over the town come to buy and sell goods. The market is very busy and there is a lot of activity. The goods sold are mostly food and clothing. There are also some stalls selling handicrafts and toys. The market is held every Sunday and is a very important part of the town's life. The people who attend the market are of all ages and from all social classes. It is a place where everyone can find what they need. The market is also a place where people can socialize and catch up on the news. It is a very important part of the town's culture and history.

## FILMS

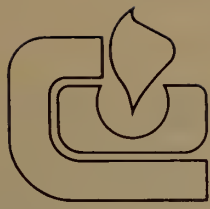
- 25-27 "Christine." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m., \$1.50 with University I.D. Call 656-2461 for more information.
- 28 "The Ghost and Mr. Chicken." Sponsored by University Union, Y-Theater, 8 p.m. Free with University I.D. Call 656-2461 for more information.
- 29 "Live and Let Die." Sponsored by University Union, Y-Theater, 8 p.m., \$1 with University I.D. Call 656-2461 for more information.
- 30 "Gervaise." Sponsored by College of Liberal Arts, 200 Hardin Hall, 8 p.m. Open to public. Free. Call 656-3069 for more information.
- 31 "Rosemary's Baby." Sponsored by Five Directions Cinema, Y-Theater, 7:30 p.m., \$2. Open to public. Call 656-3151 for more information.

## OTHER EVENTS

- Through Oct. 25 Adult tennis lessons. Sponsored by Clemson University YMCA, 5-6 p.m. and 6-7 p.m., twice weekly, YMCA recreation area. Call 654-2361 for more information.
- 27 Spanish play by students. Sponsored by languages department, Daniel Auditorium, 8-10 p.m. Open to public. Free. Call 656-3393 for more information.
- 27 Wine Tasting with Richard deBondt of Northampton Wines. Sponsored by University Club, Alumni Center, 8 p.m. Call 656-2345 for more information.
- 27 Engineer-in-Training Examination. Open to all seniors in an ABET-accredited engineering curriculum who plan to graduate in December of 1984 or May or August of 1985. Sponsored by College of Engineering, Riggs Hall, Room 226, 7:30 a.m.-5 p.m. Call 656-3201 for more information.
- 28 Soccer: Maryland, here, 2 p.m.
- 28-30 Board of Visitors meets.
- 29 Haunted House. Sponsored by University Union, the Gutter, 8-11 p.m., \$1. Call 656-2461 for more information.
- 31 Pumpkin carving. Sponsored by University Union, loggia, noon-2 p.m. Prizes awarded. Free. Call 656-2461 for more information.
- 31 Short course: "Resume Writing." Sponsored by University Union, 7-9 p.m. Free. Call 656-2461 for more information.
- 31 Halloween costume contest. Sponsored by University Union, loggia, 7-8 p.m. Free. Call 656-2461 for more information.
- Through Oct. 31 Exhibit: "The Rare Book Collection of the Robert Muldrow Cooper Library," featuring examples of outstanding items from its holdings. Located in main lobby and Special Collections Reading Room on level 2.
- Nov. 1 Short course: "Stencilling #2." Sponsored by University Union, 6:30-9 p.m., \$7. Sign up at Union Information Desk. Call 656-2461 for more information.
- 2 Soccer: Virginia, here, 7:30 p.m.
- Through Nov. 15 YMCA Volleyball Clinic. Sponsored by Clemson University YMCA, Thursdays, recreation area, 6-8 p.m. Call 654-2361 for more information.
- Through Nov. 15 Dancin' Aerobics. Sponsored by Clemson University YMCA, YMCA recreation area. Open to adults and teenagers. Call 654-2361 for more information.
- Continuous Round dancing. Sponsored by Clemson University YMCA, YMCA Center, Tuesdays, 8-10 p.m. Call 654-2361 for more information.
- Continuous Pre-natal exercise class. Sponsored by Clemson YMCA, YMCA Center, Mondays and Tuesdays, 6:30-7:30 p.m. Call 654-2361 for more information.
- Continuous Women's fitness class. Sponsored by Clemson YMCA, YMCA Center, Monday, Wednesday and Friday, 9-10 a.m. (babysitting service available) and Tuesday and Thursday, 4:45-5:45 p.m. and 6:30-7:30 p.m. Call 654-2361 for more information.



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# Newsletter

OCT 31 1984

October 31, 1984  
Vol 24 No 11

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY



**Thanks to you --** Providing summertime fun at the Clemson YMCA camps is one way your gift to the United Way helps. Bill Wooten, YMCA director, says United Way contributions help subsidize the youth program by funding about 15 camper-slips a year for children ages 6 to 13 who could not otherwise afford camp. The United Way agency also aids the sick, the disabled and the illiterate. As of Oct. 18, 21 contributors had pledged \$14,590, with this year's goal set at \$20,000. The University's month-long drive ends Nov. 15, says registrar Stan Smith, chairman of the campaign, although you may make your contributions anytime of the year.

## Centennial Committee announces members of seven subcommittees

The University Centennial Committee has announced the members of its seven subcommittees.

The subcommittees, whose members were appointed by President Bill Atchley, will make specific proposals to the Centennial Committee, which, as an advisory body to the president, will give general oversight and direction to the total centennial celebration.

### Academic Affairs

The Academic Affairs Subcommittee will propose academic activities that might include (but will not necessarily be limited to) convocations, commencement activities, scholarly conferences, and visiting professors.

Members are:

- Horace Fleming, subcommittee chairman and director of the Thurmond Institute;
- Jim Schindler, subcommittee vice chairman and a professor of zoology;

- Lib Bedingfield, an admissions counselor;
- Wright Bryan, retired vice president for development;
- Fletcher Derrick, a University Trustee;
- Susan Hult, a graduate student;
- Charles Jennett, dean of engineering;
- Lolly Kearney, a student;
- David Kent, a student;
- Frances Mizell, a student;
- Margaret Pridgen, associate director for news services;
- David Smoley, a student;
- Jack Stevenson, director of the honors program.

### Cultural and On Campus

The Cultural and On-Campus Subcommittee will propose on-campus activities attractive to all people and groups within the University family.

Members are:

- Mabel Wynn, subcommittee chairman and an assistant professor of parks, recreation and tourism management;
- Corinne Sawyer, subcommittee vice chairman and director of academic special projects;
- John Acorn, head of the visual arts and history department;
- John Butler, head of the music department;
- William Campbell, director of the University chorus;
- Tom Dimond, an assistant professor of visual arts and history;
- Jere Hodgin, an associate professor of drama;
- Mary Katherine Littlejohn, author of "Tales of Tigertown," proceeds from the sale of which support scholarships here;
- Jack McLaughlin, a professor of English;
- Patty O'Connor, University Union assistant program director;
- Bill Pearson, educational radio programs producer;
- Ray Sawyer, an assistant professor of drama;
- Karen Varalla, a student.

### Goals and Themes

The Goals and Themes Subcommittee will propose a unifying theme to express the goals of the centennial.

Members are:

- Victor Hurst, subcommittee chairman and retired vice president for academic affairs;
- Walter Castro, subcommittee vice chairman and assistant dean of engineering;
- Clarence Addison, an associate professor of building science;

(Continued on page 2.)

## Newsletter schedule

Because of the holidays coming up -- fall break, Nov. 5-6 and Thanksgiving, Nov. 22-23 (Nov. 21-23 for students) -- the **Newsletter** will be published only twice next month: Nov. 14 and Nov. 28. You may want to keep these dates in mind when planning to submit items for the **Newsletter** and **CU Events** in November.

Remember, too, the deadline for submitting is 10 work days before publication date.

Thanks, and happy holidays from the staff in publications and graphics.

(Continued from page 1.)

- Luther Anderson, dean of agricultural sciences;
- Louis Batson, a University Trustee;
- Beulah Cheney, associate director for publications and graphics services;
- Ron Dillon, a professor of botany;
- Scott Henry, a student;
- Jim Mehserle, a graduate student;
- Harlan McClure, a professor and retired dean of architecture;
- Kevin Redmond, a student;
- Jerry Reel (ex officio), chairman of the Centennial Committee and vice provost for undergraduate studies;
- David Senn, president of the Faculty Senate and an associate professor of psychology.

### Memorabilia

The Memorabilia Subcommittee will propose programs and projects that may lead to applicable medals, mementos and symbols that will further the image and prestige of the University.

Members are:

- Joe Turner, subcommittee chairman and executive secretary of IPTAY;
- Joe Boykin, subcommittee vice chairman and director of libraries;
- Harold Cooledge, Alumni Professor of Architecture;
- Jim Cuttino, a student;
- Beth English, a student;
- Robin Faulkner, a student;
- Sam Konduras, a student;
- Kathy McKinney, a student;

## Wanna be a star?

That next trip you take downstate could get you on radio or television. It's up to you (and a little planning).

The news services staff is collecting information from broadcast stations in the downstate area about the kinds of guests used on talk and interview shows. University radio-TV editor Dave Crockett says several stations have expressed an interest in using Clemson people as guests.

Stations in Columbia, Florence, Charleston and Myrtle Beach within the state and in Augusta and Savannah in Georgia have all indicated such an interest, he says.

"Many Clemson people have already been seen and heard on stations in the Upstate and on educational radio and television statewide," says Crockett. "Many more could become 'stars' as well, but only if University Relations knows about their availability."

If you are planning a downstate trip and think you have an interesting or timely topic to talk about, call Crockett at 656-2061 about two weeks before your departure. He'll pitch the idea to stations near your destination and try to get you signed up.

Look out, Phil Donahue!

- Jeff McNeill, assistant vice president for development;
- Earle Morris Jr., president of the Clemson University Foundation and comptroller general of South Carolina;
- Ned Pruitt, a student;
- Alan Schaffer, a professor of history;
- Lucille Watson, a community leader and Clemson resident.

### Off-Campus and Community

The Off-Campus and Community Subcommittee will propose centennial programs that will involve all areas, regions and counties in the state.

Members are:

- Barrett Lawrimore, subcommittee chairman, Charleston County Extension agent leader, and president of the Extension Senate;
- Frank Mauldin, subcommittee vice chairman, executive assistant to the president, and director of the Office of Human Resources;
- Erwin Abell of Greenwood;
- Kathryn Abernathy, a staff assistant in forest and recreation resources;
- Tony Almeida of Clemson;
- Vanetta Ambasht, a student;
- Joseph Anderson of Edgefield;
- William Doar of Georgetown;
- Frank Hanckel of Charleston;
- Red Horton of Conway;
- Jane Hunter of Clemson;
- William Hunter of Clemson;
- Mackie Manning of Spartanburg;
- Janis Moore, manager of the Visitors Center;
- Tom Milford of Clemson;
- John Snow of Hemingway;
- James Waddell, a state senator from Beaufort and chairman of the Board of Trustees;

### Public Relations

The Public Relations Subcommittee will propose a comprehensive public relations program for the centennial.

Members are:

- Harry Durham, subcommittee chairman and associate vice president for University relations;
- Alan Schaffer, subcommittee vice chairman and a professor of history;
- Jerry Ausband of the Myrtle Beach Sun Times;
- Wayne Bennett, head of the electrical and computer engineering department;

cal and computer engineering department;

- Helen Bosbyshell, a student;
- Henry Cauthen of the S.C. Educational Television Network, Columbia;
- Leo Cheeseman, associate director for agricultural communications;
- Jim Henderson of Henderson Advertising, Greenville;
- Jane Kidd, assistant director for special projects/marketing;
- Mike Kohl, head of the special collections unit of the Cooper Library;
- Ed Osborne of WBCU Radio Station, Union;
- Margaret Pridgen, associate director for news services;
- John Rivers Jr. of WCSC-TV, Charleston;
- Pam Sheppard, editor of The Tiger;
- Doug Smith of WYFF-TV, Greenville;
- Wilson Wearn of Multi-Media Inc. Greenville.

### Student Activities

The Student Activities Subcommittee will propose intellectual, cultural, social and physical activities that will involve students in the centennial celebration.

Members are:

- Walter Cox, subcommittee chairman and vice president for student affairs;
- Nick Lomax, subcommittee vice chairman and assistant vice president for student affairs;
- Almeda Boettner, director of housing;
- Debbie Browning, a student;
- Bruce Cook, director of bands;
- Allison Dalton, assistant athletic director for sports promotions and marketing;
- Wallace DesChamps, a student;
- Willie Green Deschamps Jr., a University Trustee;
- Lynn Earle, a student;
- Cliff Egan, an associate professor of English;
- T. Ed Garrison, a state senator from Anderson;
- Page Greenwood, a student;
- Joy Smith, dean of student life;
- Libby Subers, editor of TAPS;
- Butch Trent, director of the University Union;
- Mark Wilson, president of the s



The Clemson University Newsletter is published for Kar Smith, a laundry clerk at the laundry, and for all the members of the University faculty and staff by the Department Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKen  
Assistant Editor \_\_\_\_\_ Joyce D. Barr  
Production Assistant \_\_\_\_\_ Carla Reev

The staff welcomes your comments and suggestions. Call at 656-2467 or write us at 103 Fike Center.



ent body;  
 ● Ray Workman, president of the Student Senate.

**Goals and Themes Subcommittee seeks faculty/staff suggestions**

The Goals and Themes Subcommittee of the Centennial Committee invites all members of the faculty and staff to submit ideas regarding a unifying theme and specific goals for the centennial celebration.

If you have any suggestions along these lines, you should send your ideas in writing to Walter Castro, Vice Chairman of the Goals and Themes Subcommittee, 113 Riggs Hall.

**Service laboratory dedicated to leader in soil testing**

In Oct. 19 ceremonies here, the agricultural service laboratory was dedicated to a man largely responsible, in the eyes of South Carolina farmers, for establishing the value and credibility of soil testing.

The laboratory, located on Cherry Road, is now the H.P. Cooper Agricultural Service Laboratory, named in honor of the agronomist and educator associated with the College of Agricultural Sciences here for 60 years.

Cooper died in 1981. During his career he was head of the agronomy department, dean of the College of Agricultural Sciences and director of the S.C. Agricultural Experiment Station.

At one time he was listed as one of the top 10 agricultural chemists in the world. A South Carolina native, he graduated here in 1911.

The 10,000 square foot lab was built in 1980 at a cost of \$500,000. Through South Carolinians can have soil tested for fertility, soil and plant roots checked for nematodes, plant tissue examined, and feed and forage samples analyzed.

The lab features some of the most sophisticated testing equipment available, says Allen Torrence, head of the agricultural chemical services department.

With the equipment, South Carolina farmers are able to improve their efficiency by identifying basic soil and nutrient problems so they can correct them quickly, he says.

The facility has processed 400,000 soil samples, 25,000 nematode samples and 14,450 plant, feed and forage samples, says Torrence. Soil testing is free, but there are fees of \$2 to \$6 for other services. (The \$6 charge is for a package leaf analysis services for peach and apple producers.)



**Testing in Cooper Lab --** This is the way you extract nematodes from soil samples. That is what Horacena Taylor, agricultural science assistant II, is doing here in the nematode assay section of the Agricultural Service Laboratory. The laboratory was recently named to honor the memory of H.P. Cooper, an agronomist and educator whose career with the College of Agricultural Sciences here spanned 60 years. Robert Lippert is the new director of the lab.

**Lippert named director**

Robert M. Lippert is the new director of the Cooper Lab.

A native of California, he has a bachelor's degree in philosophy from Don Bosco College in Newton, N.J., a bachelor's in soils science from California Polytechnic Institute at Pomona, and a doctorate in soils science from the University of California at Riverside.

He succeeds Charles Mitchell, who took a position with Auburn University.



**Lippert**

**DID YOU KNOW?**

Clemson has South Carolina's only professional degree programs in architecture, health care facilities planning, city and regional planning, and building construction and management. The health care facilities planning option is one of only three in the country.

**Packaging Institute honors graduate program consultant**

The Packaging Institute, U.S.A., has announced that Harold J. (Pete) Raphael, a packaging consultant helping to develop a graduate program in packaging science here, has been selected the Packaging Professional of the Year for 1985.

Raphael, who came here last year, was singled out for his outstanding contributions to the field of packaging, spanning a period of more than 30 years.

In addition to being one of the first instructors at Michigan State University's School of Packaging, Raphael originated and directed the packaging science department at the Rochester Institute of Technology.

While at Rochester he led in the development of the graduate program in packaging science and the one-year certificate program designed to train packaging machinery mechanics.

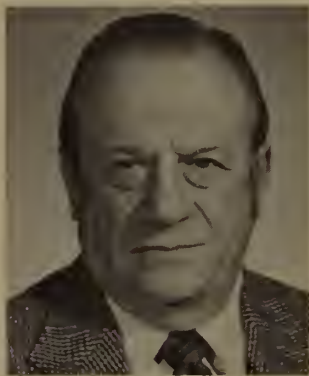
Upon his retirement from R.I.T. in 1983, Raphael moved to Anderson and, for the past year, has been serving as a packaging consultant here.

He received his bachelor's degree in forestry from Michigan State University, his master's in wood technology from Oregon State and his doctorate in wood technology from Michigan State.

He has been a professional member of the Packaging Institute, U.S.A., since

(Continued on page 4.)

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Raphael

1954, was elected a Fellow in 1980 and served on the board of directors from 1980 to 1984.

The Packaging Institute, U.S.A., is the only professional society in the United States covering all facets of packaging. Since 1939, PI/USA has provided a centralized source of educational and professional information for those engaged in the manufacture and use of packaging materials, equipment, systems and services.

In addition to those services offered by national headquarters, PI/USA conducts continuing programs through a network of local chapters located throughout the country.

## Home economists receive service recognition

The S.C. Association of Extension Home Economists has cited home economists Betty Baird of Lexington and Annette Reynolds of Orangeburg for exceptional service to the Extension Service and to the people of the areas in which they work.

Baird has conducted numerous workshops and club programs on home repairs, established a quarterly housing newsletter and provided leadership for 429 Extension homemakers in 27 clubs.

In recent years she has won four state communications awards, a superior performance award for work in the county and a certificate of meritorious service from a professional sorority.

Reynolds, during her career, did a survey on the need for a local shelter for abused spouses and formed Sisters Reaching Out, a self-help group for abused women.

She has also been a moving force behind the organization of a parent-child interaction project in Orangeburg County. Participation in this program has increased from 12 families in 1979 to 90 in 1983.

The Extension Association also presented outstanding home economist

awards to Nancy Harrison of Calhoun County, Debra Clowney of Florence and Kay Gregory of Greenwood. Thomasenia Armstrong of Kingstree was named the outstanding program assistant of the year.

Winners in the association's state communication competition were Della Barker of Clarendon County, newsletter; Judith Gaskins of Chester County, news article; Cathy Ashley of Abbeville County, radio spot; Mae Wells of Richland County, TV feature; and Annette Reynolds, slide set and package program.

## Departmental Notes

Announcements of professional accomplishments of faculty and staff members appear in the last Newsletter of each month.

### ACCOUNTING

L.E. Bryan (Asst Prof) helped lead a discussion on securities registration at the 1984 Securities and Exchange Commission Government-Business Forum on Small Business Capital Formation Sept. 12-14, 1984 in Washington, D.C.

Prof. Bryan and R.W. Rouse (Assoc Prof) published "Problems of the Small Business Audit" in the *CPA Journal* (September 1984).

J.G. Louderback (Prof) published the fourth edition of *Managerial Accounting* (Kent Publishing Co.) with G.F. Dominiak (Texas Christian University).

L.P. Ramsay (Assoc Prof) and J.G. Louderback (Prof) published "Segment Evaluation Using ROI and RI" in the November issue of *Cost and Management*.

### AGRICULTURAL ECONOMICS & RURAL SOCIOLOGY

J.C. Hite (Alumni Prof) has been appointed a member of the Advisory Committee on Economic Development of the Southern Growth Policies Board.

The following participated in the annual meeting of the American Agricultural Economics Association at Cornell University, Aug. 5-8:

-- B.L. Dillman (Prof) chaired a session on "Factors Influencing Conservation Practices and Erosion Potential;"

-- Prof. Hite served as a discussant of three papers on "Emerging Issues in Property Rights in Resource Economics;"

-- S.E. Miller (Assoc Prof), O. Capps (Assoc Prof, VPI&SU), and G.J. Wells (Assoc Prof) presented a paper, "Exact Confidence Intervals for Elasticities and Flexibilities from Linear Equations;"

-- Prof. Miller and E.W. Elam (Univ. of Arkansas) presented a paper, "Simple and Multiple Cross Hedging of Rice Bran;"

-- B.H. Robinson (Prof and Hd) chaired an invited papers session, "Farm Policy -- the 1985 Farm Bill," and presented a

paper, "Fifty Years of Farm Policy: Will Have We Learned?"

### BIOLOGY PROGRAM

C.K. Wagner (Assoc Prof) gave presentations on "Snakes of the Upper South Carolinas" for the sixth grade classes at Riverside Middle School Pendleton, Sept. 4-5 and at Central Elementary School in Central, Sept. 11.

### BIOLOGICAL SCIENCES

C.S. Brown (Assoc Prof) and C. Ness (former Grad Stu) published "Catecholamines, Phenylethylamine Derivatives, and Indolalkylamines" in *Comprehensive Insect Physiology Biochemistry and Pharmacology, Vol. 11*, G.A. Kerkut and L. Gilbert (eds.).

C.R. Dillon (Prof) and K.D. Getsinger (USAE Wtrwy Exp Sta) presented a paper, "Inferences Drawn From the Study of the Life Cycle of Brazilian Elodea Lake Marion," at the annual meeting of the S.C. Aquatic Plant Management Society at Ft. Johnson, Aug. 23-24. Prof. Dillon, a past president of the society also chaired the committee judging student presentations.

Also at that meeting, J.B. Whitmore (Prof Emer) assisted in conducting an aquatic plant identification clinic.

D.G. Heckel (Asst Prof) presented a paper on the "Evolutionary Stability of Complex Life Cycles" at the Society for the Study of Evolution Meeting in Crested Butte, Colorado in June.

G.L. Powell (Prof) was guest professor and Fulbright Senior Professor and Research Scholar at the Max-Planck Institute for Biophysical Chemistry in Göttingen, West Germany from June 1984 to August 1984.

### BUSINESS SERVICES

J.C. Newton (Asst Vice Pres) participated in the "Mail Management in the Educational Environment" business session of the National Postal Forum XVI in Washington, D.C., Sept. 16-19.

### CHEMISTRY AND GEOLOGY

R.A. Abramovitch (Prof), A.O. Kres (Grad Stu), S.P. McManus (Univ of Alabama), and M.R. Smith (Univ of Alabama) published a paper, "Solution and Flash Vacuum Pyrolyses of 3-Arylpropanesulfonyl and 2-(Aryloxy)ethanesulfonyl Azides. Synthesis of 7-membered Sulfonyl Azides," in *Journal of Organic Chemistry* (1984) 49, 3114.

Prof. Abramovitch, McManus, Smith and M.N. Ofor (Vstg Grad Stu) published a paper, "Thermolysis of Sulfonyl Azides Bearing Neucleophilic Neighboring Groups. A Search for Anchimeric Assistance," in *Journal of Organic Chemistry* (1984) 49, 683.

Prof. Abramovitch gave a lecture on "Enium Ions" at the University of Paris VI April 17, at the French Chemical

Society in Toulouse, France, April 19, and at the Centre National de la Recherche Scientifique at Gif-sur-Yvette, April 25.

He gave a lecture on "Sigmatropic Rearrangements of Heteroaromatic N-Oxides" at the Ecole Normale Supérieure in Paris, France, May 9 and at the Institut de Chimie des Substances Naturelles at the C.N.R.S. at Gif-sur-Yvette, May 1.

Prof. Abramovitch, D. Tomasik and P. Tomasik (Poland) published a paper, "Friedlander Condensation of 1H-Pyrazolin-5-ones With o-Aminobenzaldehydes. Synthesis of 1H-Pyrazolo[3,4-b]quinoxalines," in the *Journal of Heterocyclic Chemistry* (1983) 20, 1539.

Prof. Abramovitch and J.R. Stowers (Grad Stu) published a paper, "The Un-catalyzed Cycloaddition of a Siloxydiene to N-Acylamines. The Synthesis of 4-Pyridones," in *Heterocycles* (1984) 22, 671.

D.D. DesMarteau (Prof and Hd) gave an invited lecture, "Some Recent Developments in the Chemistry of Fluorinated Materials ... Triflates, Sulfonimides and Imines," at the Second National Main-Group Chemistry Workshop sponsored by the National Science Foundation in Pacific Grove, Calif., Sept. 4-6.

Prof. DesMarteau presented an invited lecture, "Novel Fluorochemicals Derived from Carbon-Nitrogen Multiple Bonds," at the chemistry department at Duke University Sept. 7.

Prof. DesMarteau presented a paper, "N-Bromo-difluoromethanimine," at the annual meeting of the American Chemical Society in Philadelphia in April. The paper was written with B.A. O'Brien (Asstg Asst Prof), M.L. Robin (Asstg Asst Prof), J.S. Thrasher (Former Asst Prof) and C.W. Bauknight (Grad Stu).

K. Dill (Assoc Prof) has been named to review submitted articles for the international journal *Carbohydrate Research* and to review proposals dealing with  $^{13}\text{C}$  nuclear magnetic resonance spectral studies for the Research Corporation.

Prof. Dill (Assoc Prof) and M.E. Daman (Grad Stu) published a paper, "Use of Electron-Nuclear Relaxation Rates to Determine  $\text{Mn}^{2+}$  -- Methyl-D-Galactopyranoside Interactions," in *Carbohydrate Research* 132 (1984) 335-338.

J.W. Huffman (Prof) presented a paper, "Chair-Twist Equilibrium in Some tert-Butyl Octalones," at the 7th Gulf Coast Chemistry Conference in Pensacola Beach, Fla., Sept. 20-22.

A.R. Pinder (Calhoun Prof) published a review of "Handbook of Terpenoids. Vols. I and II. Monoterpenoids" by S. Iyengar, A.P.S. Narula, and J.S. Yadav, in *Journal of Natural Products*, 47, 752 (1984).

## CIVIL ENGINEERING

S.C. Anand (Prof) presented a paper,

"Computer-Aided Failure Analysis of Composite Concrete Block-Brick Masonry," at the International Conference on Computer-Aided Analysis and Design of Concrete Structures in Split, Yugoslavia, Sept. 17-21. The paper was written with David Stevens (Voigt Corp, Dallas, Texas and Former Grad Rsrch Asst).

B.L. Sill (Prof) presented a paper, "Logarithmic and Power Law Velocity Profiles," at the ASCE Conference, Engineering Mechanics in Civil Engineering in Laramie, Wyo., Aug. 2.

Prof. Sill received a \$16,000 two-year grant from the Clemson Athletic Department to conduct a wind tunnel study of possible modifications to the football stadium here.

Prof. Sill has also received second-year funding (\$14,000) from the S.C. Water Resources Research Institute to continue study of applications of the vapor budget technique for measurement of evaporation losses from irrigation systems.

## COMPUTER SCIENCE

R.M. Geist (Assoc Prof) and M.K. Smotherman (Asst Prof) have received a one-year grant of \$17,800 to study "Numerical Issues in the Design of the Hybrid Automated Reliability Predictor." The grant was awarded by NASA through a sub-contract to Duke University.

## DAIRY SCIENCE

F.E. Pardue (Prof) presented a report on research and Extension activities of the dairy science department at the 1984 College Dairy Feed Conference board meeting in Atlanta, Ga.

## ECONOMICS

N.K. Womer (Prof) published "Estimating Learning Curves From Aggregate Monthly Data" in *Management Science* (August 1984).

## Dumin, Spragins named senior members of IEEE

Professors of electrical and computer engineering David J. Dumin (Senior Rhodes Professor) and John D. Spragins have been elected senior members of the Institute of Electrical and Electronics Engineers (IEEE).

IEEE is the professional organization of more than 250,000 electrical and electronics engineers. Only 10 percent of all members are conferred the senior title, an honor recognizing professional maturity and accomplishments.

## ELECTRICAL AND COMPUTER ENGINEERING

A.W. Bennett (Prof and Hd) presented a paper, "Developing a Strategy for Computers in Engineering Education," at the

National EE Department Heads' meeting in Philadelphia, Pa., Oct. 3-4.

D.J. Dumin (Sr Rhodes Prof) presented a paper, "Integrated Circuits Fabricated on Multiple Silicon-Insulator Structures," at the VLSI Symposium in San Diego, Calif.

J.W. Lathrop (Prof) will present two papers, "Degradation of Silicon Solar Cells Due to the Formation of Schottky Barrier Contacts" and "Assessment of Degradation in Crystalline Silicon Solar Cells Through the Use of an Accelerated Test Program" at the International Photovoltaic Science and Engineering Conference in Kobe, Japan, Nov. 13-16.

J.D. Spragins (Prof.) held a seminar, "Exact and Approximate Dependent Failure Models for Telecommunications Networks," at the IBM Research Laboratory in Zurich, Switzerland, while traveling in Europe for the Eurocon '84 Conference Sept. 20-Oct. 1.

## ELEMENTARY AND SECONDARY EDUCATION

M.S. Crosby (Asst Prof) presented "Using Language Experiences and Patterned Language to Encourage Children's Creative Writing" at an inservice for elementary teachers in Laurens, Aug. 22.

R.P. Green Jr. (Assoc Prof) presented "Selecting Content for an AP U.S. History Course" at a College Board AP Seminar in Miami, Fla., Aug. 27.

R.E. Jenkins (Assoc Prof), J.H. Walker (Prof), M.C. Woodson (Assoc Prof) and J.R. White (Athl Acad Adv) completed a study, "NCAA Rule No. 48: A National Study of the Academic Implications for U.S. Secondary Schools," and the study has been reviewed in the following publications:

- *Chronicle of Higher Education*, (Feb 29, 1984) Vol. XXVIII, No. 1;
- *Education Week*, (April 11, 1984) Vol III, No 29;
- *Newsweek*, (April 9, 1984);
- *The State*, (April 8, 1984).

The study also has been published by Educational Resources Information Center (ERIC).

Profs Jenkins, Walker and Woodson have also had the following articles accepted for publication:

- "Academic Reform Will Impact on College and High School Athletics" by *The South Carolina Association of Colleges for Teacher Education Journal* (Spring 1984) Vol VIII, No 1;
- "Implementing of NCAA Rule No. 48: The Principal's Role" by *The National Association of Secondary School Principals Bulletin*;
- "NCAA Rule No. 48: What Should the Principal Do?" by *The Palmetto Schoolmaster* (Spring 1984) Vol III, No 4.

Profs Jenkins, Walker and Woodson

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have completed an additional research report, *Changes in State Eligibility Requirements for Participation in Interscholastic Activities* (August 1984).

Prof Walker and E.J. Kozma (Prof) published "The Use of a Policy Process Model to Analyze Implemented Educational Policy and Predict Future Policy Developments" in *Resources in Education, Eric Clearinghouse on Teacher Education*, (September 1984).

B.M. Raetsch (Assoc Prof) presented an invited paper, "Raising Student Performance in Reading on CTBS & BSAP," to the faculty of the Southwest area of the Greenville County School System, Aug. 20. Prof. Raetsch and F.C. Raetsch (Assoc Prof) presented the same paper for the Williston School District, Aug. 21.

Prof. Raetsch conducted two workshops on "Content Area Reading Instruction" for Anderson School District #5 secondary science teachers Aug. 27 and secondary social studies teachers Aug. 28.

#### ENGLISH

S.K. Eisiminger (Assoc Prof) published a poem, "Once More Through the Rye" in *The Panhandler* (Fall 1984) and an essay, "Redneck," in *American Speech*.

Prof. Eisiminger and J.L. Idol (Prof) published "The Origin of Brand Names" in *American Speech*.

L.W. Rollin (Instr) published "Baryshnikov Meets Bowie: Androgyny and the Popularity of Ballet" in *Studies in Popular Culture*, Vol 7 (1984).

D.C. Tillinghast (Assoc Prof) published a poem, "The Autumn Deer," in the *South Carolina Review*, 16, No 2 (1984) 125.

#### ENTOMOLOGY

T.E. Skelton (Prof) attended the 17th International Congress of Entomology at the Hamburg Congress Center in Hamburg, Germany, Aug. 19-25.

P.A. Zungoli (Asst Prof) presented "Insecticide Resistance Testing for *Blattella germanica* (L.)" in a symposium on cockroach biology, ecology and control at the XVII International Congress of Entomology at Hamburg, Germany, Aug. 19-24. She also visited four household and structural insect pest laboratories in England and Germany.

#### ENVIRONMENTAL SYSTEMS ENGINEERING

A.W. Elzerman (Assoc Prof) presented a paper, "PCBs in Lake Hartwell; Distribution and Sorption Equilibrium and Kinetics," at the 7th Midwest Water Chemistry Symposium in Minneapolis, Minn., Oct. 3-7. The paper was written with John Coates, Anne Polansky, and Frank Dunnivant (Grad Stus).

T.J. Overcamp (Assoc Prof), Y.F. Nie (Qinghua Univ) and R.A. Fjeld (Assoc

Prof) presented a paper, "Approximate Methods for Estimating the Short-term Centerline Gamma Absorbed Dose Due to a Continuous, Ground-level Release," at the 29th annual meeting of the Health Physics Society, June 4-8 in New Orleans, La. An abstract of the paper was published in *Health Physics* 47, (1984) 167-168.

#### FINANCE

R.H. Mabry (Prof and Hd) and A.D. Shaplin (NE La Univ) have had a paper, "The Relative Importance of Journals Used in Management Research: An Alternative Ranking" accepted for publication by *Human Relations*.

Prof. Mabry and S.B. Halperin (NE La Univ) published "Property and Casualty Insurance Lines Comparison" in the *Journal of Risk and Insurance*, Vol 51, No 3 (September 1984).

G.S. Sirmans (Asst Prof), C.F. Sirmans (La State Univ) and S.D. Smith (Emory Univ) have had the following articles published or accepted for publication:

-- "Cash Equivalency Valuation for Creative Financing Methods," in *The Appraisal Journal*, Vol. LII, No. 3 (July 1984) 420-435;

-- "Consideration of Creative Financing Risks in Mortgage Lending," in *Journal of Retail Banking*, forthcoming;

-- "Assumption Financing, Cash Equivalency, and Comparable Sales Analysis," in *The Real Estate Appraiser and Analyst*, forthcoming;

-- "The Valuation of Creative Financing in Housing," in *Housing Finance Review*, forthcoming;

-- "The Shifting of FHA Discount Points: Actual vs. Expectations," in the *Journal of American Real Estate and Urban Economics Association*, Vol 12, No 2, (Summer 1984) 153-161.

Prof. Sirmans and E.J. Ferreira (Asst Prof) have had an article, "Assumable Loan Value in Creative Financing," accepted for publication in *Housing Finance Review*.

Prof. Sirmans is working in the Office of Policy and Economic Research while serving an internship at the Federal Home Loan Bank Board in Washington, D.C.

#### FOOD SCIENCE

C.V. Morr (Stender Prof) presented an invited paper, "Chemical, Functional and Nutritional Properties of Phylate-Reduced Soy Protein," at the World Soybean Research Conference at Iowa State University, Aug. 14-17.

Prof. Morr published "Herstellung, Funktionelle Eigenschaften und Verwendung von Produkten aus Milcheisweiss" in *Deutsch Molkerie-Zeitung* 33: 1067.

#### FOREST AND RECREATION RESOURCES

B.H. Box (Dean and Prof) presented a

paper, "South Carolina Softwoods--Declining Resource?" at the S.C. Society of American Foresters in Greenville July 20.

Dean Box presented the keynote address at the Symposium on Prescribe Fire and Smoke Management in the South in Atlanta, Ga., Sept. 12.

The following presentations were made at the International Applied Wood Chemistry Symposium here, Aug. 16-17:

-- "Potential and Challenge of Wood Chemistry Research in South Carolina" by Prof. Box;

-- "Wood Anatomy and Chemical Components Distribution" by M.A. Taras (Prof and Hd);

-- "Degradation of Lignocellulosic Materials," "Weathering of Wood" and "Protection of Wood" by D.N.-S. Hon (Assoc Prof) with W.C. Feist (US For Serv);

-- "Photodegradation of Cellulose Nitrate" by Prof. Hon, G. Tang (Rsrc Assoc) and M. Kotun (Ag Sci Assoc);

-- "Chemical Characterization of Wood and Paper of Historic Value" with M.I. Parmer (Grad Asst);

-- "Forestry and Forest Products Research in People's Republic of China with R.L. Hedden (Prof).

Prof. Hon presented a paper, "Mechanochemistry of Cellulosic Materials," at the Cellulose '84 conference at Wrexham, Wales, July 16-20.

Prof. Hedden and A.M. Lynch (Weyerhaeuser Corp) published "Relation Between Early- and Late-season Loblolly Pine Seedling Mortality From Pales and Pitching Weevil Attack in Southeastern Oklahoma" in *Southern Journal of Applied Forestry* 8(3):172-176.

Prof. Taras and other U.S. Forest Service personnel published "Tables of Whole Tree Weight for Selected U.S. Tree Species" as USDA Forest Service General Technical Report WO-42.

D.C. Guynn (Prof), B.J. Gruver and H.A. Jacobson (Miss State Univ) published "Simulated Effects of Harvest Strategy on Reproduction in White-tailed Deer" in *Journal of Wildlife Management* 48(2):535-541.

Prof. Guynn, R.W. Whiteside and H.A. Jacobson (Miss State Univ) published "Characteristics and Opinions of Mississippi Deer Hunters Using Public Areas" in *Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies* 35:167-173.

S.M. Jones (Rsrch For) published "Oconee Bells: Lost for a Century" in the *Fernbank Quarterly* 9(3):1.

B.A. Dunn (Assoc Prof) and B.C. Lockaby (Former Grad Asst) published "Camping Effects on Selected Soil and Vegetative Properties" in *Journal of Soil and Water Conservation* 39(3).

A.P.C. Marsinko (Asst Prof), D.R. Phillips and H.K. Cordell (US For Serv) published "Determining Residential Firewood Consumption" in *Environment Management* 8(4):359-366.

D.H. Van Lear (Robert Adger Bowen Prof) presented a paper, "Prescribed Fire -- Its History, Uses and Effects in Southern Forest Ecosystems," at the Symposium on Prescribed Fire and Smoke Management in the South in Atlanta, Ga., Sept. 12-14.

## HOUSING



Wesley Hamilton of Central received the Custodian of the Month award for August. He has been employed with the Housing Office since 1975.

## LANGUAGES

M. Cranston (Assoc Prof) published *e Gai Savoir. Essays in Linguistics, Philology, and Criticism Dedicated to the Memory of Manfred Sandmann*, edited by Mechthild Cranston. Madrid: Porrua, 1983. The book was supported by a grant from the graduate division, University of California at Berkeley.

M.M. Sinka (Assoc Prof) published "Journey Through Germany: Simulating Tourist Experiences in the Conversation and Composition Course" in *Die Unterrichtspraxis*, 16, No. 2 (Fall 1983) 212-22.

## MANAGEMENT

C.W. McNichols (Prof) presented "Microcomputers in the Context of Management Support Systems" at the Textile Quality Control Association meeting at Hilton Head, Sept. 13.

M.J. Stahl (Prof and Hd) gave a presentation, "Achievement, Power and Managerial Motivation: Selecting Managerial Talent," at the annual Bobbin International Seminar in Atlanta, Ga., Sept. 17.

## MARKETING

M.C. LaForge (Asst Prof) published "Elderly Recreational Travelers: A Profile" in *The Cornell Quarterly*, (August 1984) Vol 25, No 2, 14-15.

## MATHEMATICAL SCIENCES

R. Laskar (Prof), J. Pfaff (Former Grad Stu), S.M. Hedetniemi (Assoc Prof, Comp Sci) and S.T. Hedetniemi (Prof, Comp Sci) published a paper, "On the Algorithmic Complexity of Total Domination," in *SIAM Journal of Algebra Discrete Mathematics*, Vol 5, No 3, (September 1984) 420-425.

## Ling named ASA Fellow

Robert F. Ling, a professor of mathematical sciences, has been named a Fellow in the American Statistical Association.

The Fellow grade is conferred upon members of the association who have established a national reputation in some aspect of statistical work.

The 15,000-member association is the nation's largest and oldest professional statistics organization.

Prof. Ling's research areas include applied statistics, computer software design and statistical computing.

## MECHANICAL ENGINEERING

D.W. Bradbury (Alumni Prof) and W.G. Hudson (Assoc Prof) have been initiated charter honorary members of the newly established Phi Kappa Chapter of Pi Tau Sigma, which is the National Honorary Mechanical Engineering Fraternity.

## MUSIC

L.U. Harder (Assoc Prof) has been elected to a two-year term on the board of visitors for Coker College.

## NURSING

C.C. Chernecky (Asst Prof), P.W. Ramsey (Asst Prof) and P.M. Kline (Asst Prof) wrote the book *Critical Nursing Care of the Client with Cancer* published by Appleton-Century-Crofts.

## PHYSICS AND ASTRONOMY

A.L. Laskar (Prof), D.L. Foster and W. Mealing (Former Grad Stu) presented a paper, "The Role of Anisotropy on the Charge and Mass Transport in Alkali Azides," at the international conference on "Defects in Insulating Solids" at Salt Lake City, Utah, Aug. 20-24.

J.R. Ray was a faculty research participant at the Department of Energy's Argonne National Laboratory June 25-Aug. 3. He conducted research with Anessur Rahman of Argonne on computer simulation studies of phase transformations in solids.

## PLANT PATHOLOGY AND PHYSIOLOGY

The following papers were presented at the Symposium on the Propagation of Higher Plants Through Tissue Culture: III. Development and Variation held in Knoxville, Tenn., Sept. 9-13:

-- "In Vitro Culture of *Camellia Sinesis*" by C.H. Frisch (Grad Res Asst) and N.D. Camper (Prof);

-- "In Vitro Culture and Somatic Embryogenesis in *Cucumis* spp." by B.J. Disney (Grad Res Asst), Prof. Camper and G. Fassuliotis (Ad Prof).

O.J. Dickerson (Prof and Hd) pre-

sented an invited paper, "Nematology Transfer Systems in the Southeastern United States," at the International Congress of Nematology in Guelph, Ontario, Canada, Aug. 6-10.

Also at that meeting, B. Sammons (Rsrch Asst) presented a paper, "Detection of Tobacco Ringspot Virus Infecting Yellow Summer Squash (*cucurbita pepo*) in South Carolina," written with O.W. Barnett (Prof).

Prof. Barnett, M.R. McLaughlin (Former Vstg Asst Prof), P.B. Gibson (Rsrch Agrmt, USDA) and P.M. Burrows (Prof, Exp Stats) published "Enzyme-Linked Immunosorbent Assay of Viruses Infecting Forage Legumes" in *Phytopathology* 74(8): 965-969.

## POULTRY SCIENCE

The following papers were presented at the annual meeting of the Poultry Science Association in Guelph, Ontario, July 30-Aug. 3:

-- "The Effects of Pelleting Broiler Diets on Growth and Feed Efficiency," presented by J.F. Welter (Assoc Prof) and written with J.E. Jones (Prof) and D.J. Castaldo (Grad Rsrch Asst);

-- "Utilization of Mechanically Deboned Turkey Meat in Media for the Growth of *Clostridium botulinum*," by M.A. Hall (Asst Prof);

-- "Determination of Turkey Sperm Acrosin Activity," presented by M.S. Rogoff (Grad Rsrch Asst) and written with R.J. Thurston (Prof) and D.P. Froman (Former Grad Rsrch Asst);

-- "ELISA Fowl Cholera Antibody Detection in Broiler Chicks Using the Filter Paper Bleeding Technique," presented by J.W. Dick (Prof) and written with A.P. Avakian (Grad Rsrch Asst);

-- "Fowl Cholera Antibody Detection by ELISA in Broiler Chicks Vaccinated From 1 to 6 Weeks of Age," presented by Avakian and written with Prof. Dick;

-- "Adipose Tissue Homeostasis in Broilers After Reduction in Body Fat by Lipectomy," presented by C.S. Winstead (Grad Rsrch Asst) and written with D.V. Maurice (Assoc Prof);

-- "Nutrient Content and Nutritional Value of Nuda Oats (*Avena nuda*) for Broilers," presented by D.J. Castaldo and written with Prof. Maurice, Prof. Jones, J.E. Whisenhunt (Grad Stu), Prof. Hall and J.C. McConnell (Prof, Anml Sci);

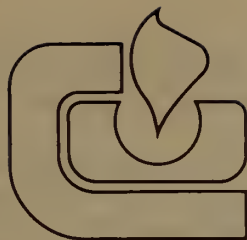
-- "Detection of an Unidentified Plasma Component in Vitamin B 12 Deficient Hens" presented by N.E. Ward (Grad Rsrch Asst), who received a certificate of excellence for his presentation of this paper written with Prof. Jones, Prof. Maurice and Winstead.

Prof. Hall, Prof. Dick and G.P. Birrenkott (Assoc Prof) chaired sessions at this meeting, and B.D. Barnett (Prof and Hd) was re-elected secretary-treasurer.

## FINAL ENROLLMENT IN GRADUATE SCHOOL, FIRST SEMESTER 1984-85

## FINAL ENROLLMENT IN GRADUATE SCHOOL, FIRST SEMESTER 1984-85

MAJOR	NON-DEGREE	PROF MAST	MA/MS	EDS	EDD/PHD	TOTAL	MAJOR	NON-DEGREE	PROF MAST	MA/MS	EDS	EDD/PHD	TOTAL
COLLEGE OF AGRICULTURAL SCIENCES	28	-	-	-	-	28	COLLEGE OF COMMERCE AND INDUSTRY	24	-	-	-	-	24
AGRICULTURE (UNDECLARED)	-	5	9	-	-	14	COMMERCE & IND (UNDECLARED)	-	21	-	-	-	21
AGRICULTURAL ECONOMICS	-	18	-	-	-	18	ACCOUNTING	-	171	-	-	-	171
AGRICULTURAL EDUCATION	-	0	10	-	11	21	BUSINESS ADMINISTRATION	-	-	13	-	-	13
AGRICULTURAL ENGINEERING	-	9	-	-	-	9	ECONOMICS	-	-	45	-	33	78
AGRICULTURAL MECHANIZATION	-	4	18	-	6	28	INDUSTRIAL MANAGEMENT	-	-	-	-	5	5
AGRONOMY	-	4	31	-	-	31	MANAGEMENT SCIENCE	-	-	-	-	6	6
ANIMAL & FOOD INDUSTRIES	-	-	-	-	5	5	TEXTILE & POLYMER SCIENCE	-	-	7	-	-	7
ANIMAL PHYSIOLOGY	-	-	-	-	-	-	TEXTILE CHEMISTRY	-	-	8	-	-	8
ANIMAL SCIENCE	-	1	-	-	17	17	TEXTILE SCIENCE	-	-	73	-	-	73
APPLIED ECONOMICS	-	3	-	-	-	3	TOTAL COMMERCE AND INDUSTRY	24	192	-	-	44	333
DAIRY SCIENCE	-	1	8	-	17	26	COLLEGE OF LIBERAL ARTS	5	-	-	-	-	5
ENTOMOLOGY	-	2	17	-	19	22	LIBERAL ARTS (UNDECLARED)	-	-	29	-	-	29
HORTICULTURE	-	4	9	-	9	22	ENGLISH	-	-	12	-	-	12
NUTRITION	-	1	8	-	5	14	HISTORY	-	-	41	-	-	41
PLANT PATHOLOGY	-	1	-	-	11	11	TOTAL LIBERAL ARTS	5	-	-	-	-	5
PLANT PHYSIOLOGY	-	-	23	-	-	23	COLLEGE OF NURSING	6	-	-	-	-	6
WILDLIFE BIOLOGY	-	48	133	-	81	290	NURSING (UNDECLARED)	-	-	28	-	-	28
TOTAL AGRICULTURAL SCIENCES	28	48	133	-	81	290	FAMILY HEALTH NURSING	-	-	28	-	-	28
COLLEGE OF ARCHITECTURE	-	65	-	-	-	65	TOTAL NURSING	6	-	-	-	-	6
ARCHITECTURE	-	21	-	-	-	21	COLLEGE OF SCIENCES	6	-	-	-	-	6
CITY & REGIONAL PLANNING	-	13	-	-	-	13	SCIENCES (UNDECLARED)	-	-	-	-	-	-
VISUAL STUDIES	-	99	-	-	-	99	BIOCHEMISTRY	-	-	2	-	5	7
TOTAL ARCHITECTURE	-	99	-	-	-	99	BOTANY	-	-	7	-	-	7
COLLEGE OF EDUCATION	487	-	-	-	-	487	CHEMISTRY	-	-	24	-	25	49
EDUCATION (UNDECLARED)	-	56	-	33	-	89	COMPUTER SCIENCE	-	-	68	-	4	72
ADM & SUPERVISION	-	112	-	-	-	112	MATHEMATICAL SCIENCES	-	-	51	-	22	73
ELEMENTARY EDUCATION	-	23	-	-	-	23	MICROBIOLOGY	-	-	17	-	11	28
INDUSTRIAL EDUCATION	-	124	-	-	-	124	PHYSICS	-	-	13	-	19	32
PERSONNEL SERVICES	-	29	-	-	-	29	ZOOLOGY	-	-	17	-	35	52
READING	-	7	-	-	-	7	TOTAL SCIENCES	6	-	199	-	121	326
SECONDARY EDUCATION (ENGLISH)	-	6	-	-	-	6	COLLEGE OF FOR & REC RESOURCES	2	-	-	-	-	2
SECONDARY EDUCATION (HISTORY)	-	12	-	-	-	12	FOR & REC RES (UNDECLARED)	-	9	14	-	11	34
SECONDARY EDUCATION (MATH)	-	5	-	-	-	5	FORESTRY	-	25	4	-	-	29
SECONDARY EDUCATION (NAT SCI)	-	21	-	-	21	21	RECREATION & PARK ADM	-	34	18	-	-	65
SPECIAL EDUCATION	-	395	-	33	21	936	TOTAL FOR & REC RESOURCES	2	34	18	-	11	65
VOCATIONAL & TECHNICAL EDUC	-	-	-	-	-	-	-----	-	-	-	-	-	-
TOTAL EDUCATION	487	395	-	33	21	936	-----	-	-	-	-	-	-
COLLEGE OF ENGINEERING	1	-	-	-	-	1	GRAND TOTAL	559	812	723	33	348	2475
ENGINEERING (UNDECLARED)	-	17	-	-	2	19							
BIO-ENGINEERING	-	0	11	-	7	18							
CERAMIC ENGINEERING	-	1	20	-	17	38							
CHEMICAL ENGINEERING	-	17	23	-	32	72							
CIVIL ENGINEERING	-	7	41	-	14	62							
COMPUTER ENGINEERING	-	15	29	-	4	48							
ELECTRICAL ENGINEERING	-	4	32	-	7	43							
ENGINEERING MECHANICS	-	13	42	-	9	66							
ENVIOR SYSTEMS ENGINEERING	-	4	42	-	10	56							
INDUSTRIAL ENGINEERING	-	44	231	-	70	346							
MECHANICAL ENGINEERING	-	-	-	-	-	-							
TOTAL ENGINEERING	1	44	231	-	70	346							



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.

Nov. 2-16

## November -30

M	T	W	T	F	S
			1	2	3
4	5	6	7	8	9 10
11	12	13	14	15	16 17
18	19	20	21	22	23 24
25	26	27	28	29	30

### WORKSHOPS AND SEMINARS

- 2 Inventory Control. Sponsored by Professional Development, Ramada Inn, Clemson. Call 656-2200 for more information.
- 7-8 Upholstery. Sponsored by Professional Development, Ramada Inn, Clemson. Call 656-2200 for more information.
- 13-14 18th Annual Clemson Turfgrass Conference. Sponsored by Extension Service, horticulture department and Carolinas Golf Course Superintendents' Association, Ramada Inn, Clemson. Preregistration required. Open to public. Call 656-3403 for more information.
- 13-15 How to Use PC: Basic Programming. Sponsored by Professional Development, Lehotsky Hall Computer Lab. Call 656-2200 for more information.
- 15-16 Fundamentals of Quality Control for Supervisors. Sponsored by Professional Development, Lehotsky Hall Computer Lab. Call 656-2200 for more information.
- 16 Linkup, an organization for all users and potential users of computers. Sponsored by College of Agriculture, Room D-135, P&A Building, 2 p.m. Call 656-3102 or 656-2396 for more information.

### LECTURES

- 7 English Hour lecture by Frederick Shilstone, an associate professor of English. Sponsored by English department, 108 Strode Tower, 3:30 p.m. Open to public. Free. Call 656-3151 for more information.
- 12 "Public Life in Urban Places" by Drs. Suzanne and Henry Lennard, New School for Social Research, New York City. Sponsored by Clemson Architectural Foundation and College of

# THE EVENING

Published daily, except on Sundays and public holidays, at the office of the Proprietor, No. 10, Cross Street, Singapore.

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Architecture, Lyles Auditorium, Lee Hall, 8 p.m. Call 656-3081 for more information.

- 13 "Confessions of a Trek Lover" by Leonard Nimoy, the "Mr. Spock" of the TV show "Star Trek." Sponsored by Speaker's Bureau, Tillman Hall Auditorium, 8 p.m. Call 656-2195 for more information.
- 15 "Properties, Structures and Application of Liquid Crystals" by Dr. Glenn H. Brown, Kent State University. Sponsored by Western Carolinas Section of the American Chemical Society, Room 131, Brackett Hall, 8 p.m. Open to public. Free. Call 656-3065 for more information.
- 15 "The Hite Reports on Sexuality" by Shere Hite, author of books on female and male sexuality. Sponsored by Speaker's Bureau, Tillman Hall Auditorium, 8 p.m. Call 656-2195 for more information.
- 15 "Southern Women: The Playboy Image" by John Sheldon Reed. Sponsored by Southern Studies Lecture Series, Lyles Auditorium, Lee Hall, 7:30-10 p.m. Reception follows in Lee Hall Gallery. Call 656-3081 for more information.

#### MUSIC, DRAMA AND FILMS

- 6-10 "Notes of a Family," a Clemson Players' production, Daniel Hall Auditorium, 8 p.m. (3:30 p.m. matinee on Nov. 8). Tickets \$2 for public, \$1 for Clemson faculty and staff, free to University students. Call 656-2476 for more information.
- 8 Performing Artist Series: Ramsey Lewis Trio -- jazz. Sponsored by University Union and Alumni Association, Tillman Hall Auditorium, 8 p.m., \$6 for students, \$8 for public. Tickets on sale at Union Box Office. Call 656-2461 for more information.
- 8 "Paris 1900," a 110 Liberal Arts film, 200 Hardin Hall, 8 p.m. Open to public. Free. Call 656-3263 for more information.
- 8-10 "Yentl." Sponsored by University Union, Y-Theater, 7 and 9:30 p.m., \$1.50 with University I.D. Call 656-2461 for more information.
- 11 "Dirty Harry." Sponsored by University Union, Y-Theater, 8 p.m., free with University I.D. Call 656-2461 for more information.
- 12 "Man With the Golden Gun." Sponsored by University Union, Y-Theater, 8 p.m., \$1 with University I.D. Call 656-2461 for more information.
- 13 Chamber Music Series: William W. Campbell, tenor vocalist.

The first part of the book deals with the early years of the nation, from the time of the first settlers to the end of the Revolutionary War. It covers the period of the struggle for independence and the formation of the new government.

The second part of the book deals with the period of the early republic, from the end of the Revolutionary War to the beginning of the Civil War. It covers the period of the struggle for a stronger central government and the expansion of the nation.

The third part of the book deals with the period of the Civil War and Reconstruction, from the beginning of the Civil War to the end of Reconstruction. It covers the period of the struggle for the preservation of the Union and the rights of the freed slaves.

Sponsored by music department, Daniel Hall Auditorium, 8 p.m. Open to public. Free. Call 656-3043 for more information.

14 "La Nuit de Varennes." Sponsored by Five Directions Cinema, Y-Theater, 7:30 p.m., \$2. Open to public. Call 656-3069 for more information.

15-17 "Sudden Impact." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m., \$1.50 with University I.D. Call 656-2461 for more information.

#### SPORTS

- 2 Soccer: Virginia, 7:30 p.m., here.
- 2 Volleyball: Maryland, 7 p.m., here.
- 3 Football: Wake Forest, 1 p.m., here (Hall of Fame Day).
- 4 Soccer: Vanderbilt, 2 p.m., here.
- 5 Volleyball: Georgia, 7 p.m., here.
- 6 Men's basketball: Marathon Oil, 8 p.m., here.
- 8 Wrestling: Orange vs. White Intr Squad, 7 p.m., here.
- 12 Wrestling: Carson Newman College, 7 p.m., here.
- 14 Men's swimming: Georgia Tech, 2 p.m., here.

#### OTHER EVENTS

- 5-6 Fall break.
- 8 Local talent night sign-ups for performing at the Gutter. Sign up at Union Information Desk. Call 656-2461 for more information.
- 8 Short Course: Breadmaking. Sponsored by University Union, 7-10 p.m., \$4. Sign up at Union Information Desk. Call 656-2461 for more information.
- 10 Open House -- College of Agricultural Sciences, with teaching, research and Extension displays, lobby of P&A Building, 8:30 a.m.-noon. Call 656-3013 for more information.
- 12-13 Short Course: CPR #2. Sponsored by University Union, 7-10 p.m., \$6. Sign up at Union Information Desk. Call 656-2461 for more information.
- 12,19, Short Course: Basic Airbrush. Sponsored by University

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26 Union, 6-9 p.m., \$15. Sign up at Union Information Desk.  
Call 656-2461 for more information.

14 Meeting: Sara Barger, director of Nursing Center, will talk  
about the center. Sponsored by Women in Higher Education  
Networking, Holiday Inn, noon. Faculty, staff and students  
welcome. Call 656-2426 for more information.

15 Kirk Edwards, guitarist, performs country, rock and blues.  
Sponsored by University Union, the Gutter, 8-11 p.m. Call  
656-2461 for more information.

Through Volleyball clinic. Sponsored by YMCA, Thursdays, recreation  
Nov. 15 area, 6-8 p.m. Call 654-2361 for more information.

Through Dancin' aerobics. Sponsored by YMCA, recreation area. Open  
Nov. 15 adults and teenagers. Call 654-2361 for more information.

Contin- Round dancing. Sponsored by YMCA, YMCA Center, Tuesdays, 8-  
uous 10 p.m. Call 654-2361 for more information.

Contin- Pre-natal exercise class. Sponsored by YMCA, YMCA Center,  
uous Mondays and Tuesdays. Call 654-2361 for more information.

Contin- Women's fitness class. Sponsored by YMCA. YMCA Center,  
uous Mondays, Wednesdays and Fridays, 9-10 a.m. (babysitting  
service available) and Tuesdays and Thursdays, 4:45-5:45  
p.m. and 6:30-7:30 p.m. Call 654-2361 for more information.

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NOV 14 1984



# Newsletter

November 14, 1984  
Vol 24 No 12

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY



**Teamwork** -- Determination, persistence, and refusal to take "no" for an answer combined in the summer of 1983 to encourage Donna Liles to forget about her "wheels" and apply for a job as secretary in the fertilizer analysis and inspection department. Prof. H.V. Rogers, head of the department, says Liles' attitude and abilities make her a valuable employee. She is one of more than 30 employees and students here who have "declared" themselves handicapped and who look to the University Committee on the Handicapped for support and services. See Liles' story on Page 3.

## They refuse to let handicaps bar them from study and work

Sometimes, for ease of speaking, it's called the "Handicapped Committee." But its 20 members are quite able to get their job done, although they agree the challenge is getting tougher each year.

Established under the state's Rehabilitation Act of 1973, the University Committee on the Handicapped has two main tasks: to try to ensure that all handicapped students and employees have the opportunity to participate fully in University programs and activities and to study cases in which students or employees think discrimination against the handicapped might exist.

The panel also wants to help the University become better organized to provide for handicapped students and employees, according to committee chairman Dick Klein, who says the number of handicapped people on campus increases each year.

"Not only is the number increasing," says the associate professor of finance, "but the kinds and the severity of the disabilities are increasing."

(The number of handicapped students and employees has doubled in the past five years. This year 20 students and at least five employees have declared themselves "handicapped" and turned to the committee for assistance. Their disabilities range from muscular dystrophy and cerebral palsy to blindness and Hodgkin's disease.)

"We're not talking about creating a bureaucracy," says Klein, "but we do need more organization dedicated especially to aiding the disabled who study and work here."

One of those who studies here is Tod Waldrop, a senior from Landrum majoring in textile chemistry. Waldrop, the student representative on the committee,

was permanently paralyzed in an automobile wreck during his freshman year.

Spending most of his college life in a wheelchair, Waldrop knows firsthand how far the University has come in accommodating the handicapped.

He has, for instance, recommended, and the University has provided, numerous curb cuts, repairs to elevators around campus, and housing changes in Johnstone Hall, where he now resides.

But more important to committee members, Waldrop is frank in telling them how much more needs to be done.

"I think they've come a long way," he says, "but, well . . ." and he smiles wryly, "if you want to see my list, it's right here."

Waldrop's list takes up two pages in his notebook and includes the kinds of suggestions the committee finds invaluable -- suggestions the other members might not think of themselves:

-- Add at least 20 new curb cuts; renovate about 10 more. (Jumping curbs in a wheelchair is no fun, says Waldrop.)

-- Make the YMCA accessible to those in wheelchairs. (Waldrop says he, too, would like to go to the movies there.)

-- Provide handicapped seating in Littlejohn Coliseum. (This recommendation, says Klein, has recently been approved).

-- Make repairs of elevators a top priority, especially for the library bridge elevator. (The proper functioning of that elevator has a big impact on whether Waldrop and other handicapped students can use the library and, in some instances, attend class).

-- Have firemen check rooms of handicapped individuals in the event of fire alarms in the dorms. ("We have a lot of 'prank' alarms," Waldrop says, "and the people who do that probably don't realize what a hassle it is for those of us in wheelchairs to get out of the dorm.")

The list goes on, but Waldrop says he has found the committee members to be not only attentive listeners, but also friends "in deed" who help out as much as they can. For example, there's assistant dean of Student Life Mickey Lewis, administrative adviser to handicapped students and the person who most often gets the calls for help.

As for how well the University is

(Continued on page 2.)

(Continued from page 1.)

accommodating the handicapped, Lewis says, "I would give us a 'B' for effort and probably a 'C' for results. We are trying. We really are. The problem is that it's a new thing for us, and we're tackling it as we go along. It's like a baby taking its first steps, you might say."

Lewis' predecessor as adviser to handicapped students, parking and vehicle registration director Bill Pace, says that, when state law called for a committee to serve the needs of the handicapped, the University created in the late 1970s a "transition plan" under which certain physical changes were made to create a more accessible campus. The changes included curb cuts, outdoor lifts and ramps, elevator changes and restroom renovations.

"We have what you might call an 'individualized' program," says Pace. "We simply try to meet the needs of each individual as they come along."

#### Hard decisions

As more handicapped persons come onto the campus, the special needs increase. As a result, says Lewis, the University will soon have to make some "hard decisions."

"I'd say the most pressing issue right now is that we're going to have to draw some parameters," he says. "We're going to have to decide to what extent we will be willing to commit to the handicapped, to what extent we're going to recruit them, and to what extent we're going to accommodate them. And it's going to be hard. It'll require some soul searching."

Such decisions will be far-reaching, says agricultural economics Prof. George von Tungeln, a committee member since its inception in 1978.

"In accommodating the handicapped you have to remember," he says, "that we are also talking about all the off-campus facilities, and some of those -- as in Extension offices -- are leased, and that raises another kind of problem."

Von Tungeln, however, is quite optimistic about the committee's potential in helping the handicapped. "I think the committee provides a group who can get things done. It does not simply react to problems, but it takes a look at what needs to be done and brings problems to the attention of the University so that we may strike an acceptable solution. Note, I said, 'acceptable.' It's not always an ideal solution, but generally it's one we can agree upon."

One thing the committee would like to do, he says, is to help faculty members become more knowledgeable about dealing with the handicapped. "Usually, you don't think much about them until one shows up in your class," he says. "The way we do it now, we just take each

case as it comes up because each one is unique. But we do need to create more awareness on the part of the faculty of the problems these people face."

Heightened awareness throughout the University community will be necessary, committee members say, as the number of handicapped grows here. And the number is growing although no formal "recruiting" is being done.

The increase comes, Lewis says, because society is becoming more sensitive to the handicapped and their problems and because more and more of the handicapped are refusing to allow their disability to prevent them from participating actively in society.

"More handicapped students are graduating from high school now," he says, "so it seems reasonable to expect that more are going to be going on to college."

Says Klein: "We haven't been actively seeking the handicapped. We do not have the facilities to do that. But we have some handicapped students to just show up for classes, and, by law, we must take care of their academic needs. To do that, we need a barrier-free campus."

#### Removing the barriers

What may be a "barrier-free" campus to one person may not satisfy the requirements of another, says Greg Padgett, associate director of housing. "What one person needs, another doesn't. They are very much individuals in their needs."

"When a wheelchair bound student comes in, we try to 'trace the route' that student will be using, from the dorm room to restrooms and showers, to the dining hall and classrooms, and we try to anticipate what kind of modifications that student will need. And that's hard to do. There's just no way you can anticipate every little thing, because there's just so much we take for granted."

Modifications to Johnstone for the handicapped students there included such changes as raising desks and beds, putting levers on faucets, replacing door-knobs with handles, lowering telephones and water fountains, widening doors, and installing hand-held showers.

Both Padgett and Lewis say the University is, for the most part, "learning doing" in its effort to accommodate the handicapped. For instance, this year, in order to have all the male handicapped students in one place, Housing moved them all to Johnstone Hall.

"We didn't know if that would be positive or negative move," says Padgett "but it seems to be working out fine."

Although Klein and his committee are working hard to make things better for the handicapped already here, the toughest job, he says, may lie ahead: help to develop University policy for accommodating the handicapped in the future.

With that in mind, the committee has already taken several positive steps and has more plans in the works. Its accomplishments and current projects include

- sending letters to guidance counselors in the state inviting prospective students who are handicapped to visit Clemson to learn if the campus facilities and services can meet their needs. Klein says the letters are not intended to recruit but to encourage the handicapped to look the campus over before deciding to come here.

- seeking guidance and assistance from people at the state and national levels who are involved in the concern of the handicapped. Such persons have included S.C. Sen. H.M. McDonald, who sponsored the S.C. Bill of Rights for handicapped persons, and Nathan Wall, a program specialist from the U.S. Department of Education.

- including in the 1984 Student Handbook a section that defines "handicapped student" and the support such students can expect from the committee here. This section is proposed to be included in the 1985-86 graduate and undergraduate catalogs as well.

- working with the mayor of Clemson to get a curb cut across from Mell Hall to make downtown more accessible to handicapped students.

- having several permanent signs placed around campus showing the location of handicapped parking.

- proposing a color-coded campus map showing the "accessible, possible accessible and most probably not



The Clemson University Newsletter is published for James Cannon, a postal clerk with the University Post Office, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
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The staff welcomes your comments and suggestions. Call at 656-2467 or write us at 103 Fike Center.



accessible" areas for the wheelchair bound. The map would show, too, the numerous curb cuts and the "best" entrance for the disabled into each building. Another map could show the floor plan of each building and the location of elevators.

-- discussing with the Personnel Office the need for a set of guidelines for dealing with handicapped employees whose condition may worsen to the point that the handicap interferes with job performance. The committee has agreed to act, upon request by Personnel, in an advisory capacity regarding performance evaluations of handicapped employees.

-- making plans to study in the coming months the possibilities for funding a permanent staff position for matters related to the handicapped and for funding the services required by the handicapped. Right now, the University has no monies marked for the handicapped, says Klein, so needed changes and services are absorbed through the general fund.

Ultimately, says Klein, the committee will be addressing the matter of commitment to the handicapped -- that is, will the University, one day, have to create a program especially designed for serving the handicapped who choose Clemson?

## Enroll this month in health and dental insurance

November is what you might call an "open" month over in the insurance office. It's this month in which you can elect to enroll in the health insurance program and the new dental insurance program.

To enroll in the health insurance program, you must complete a Notice of Election form. If you are already enrolled, you will automatically be enrolled under the new dental coverage plan. If you want to include members of your family under the dental coverage, however, you will need to complete a Dental Notice of Election form.

Open enrollment is offered only once each year. So if you want to sign up, call the payroll and insurance office at 6-2000.

## Be sure you have the right number

They say there's strength in numbers, and that may be true -- if you have the right number.

The right telephone number for staff members in the parking and vehicle registration office is 656-2270, says director Bill Pace, not 656-2222, which is

the number listed for them in the latest University directory. If you dial 656-2222, you'll get the police department.

So, to save time for both you and the police department, dial 656-2270 when you want to call the parking and vehicle registration office.

## Texas Instruments offers employee computer discounts

That personal computer you've been wanting may be growing more affordable all the time, considering the latest news from the Computer Center.

Now, through Dec. 14, Texas Instruments is offering University employees and students up to 50 percent off the retail price of its TI portable PC, says Chuck Heck, systems programmer at the center.

The portable, says Heck, has the

power and features of the desktop TI Professional Computer, including high-resolution graphics, a choice of monochrome or color displays, and a memory expansion of up to 768K bytes.

The computer will be sold in six configurations ranging from a monochrome, 128K memory, single floppy disk drive unit at \$1,145, up through a color 256K memory, dual floppy disk drive unit at \$1,745.

You may order a TI portable through the Computer Center. Call the center at 656-3466 for information on how to place your order.

### DID YOU KNOW?

Clemson's Computer Center operates the world's largest time-sharing network on a single mainframe with an IBM 3081 computer and more than 600 remote terminals.

## Despite the wheels, she learns to go for what she wants

Instead of slowing her down, Donna Liles' wheelchair, it seems, just makes her go that much faster. Despite the wheels -- or maybe because of them -- Liles has learned over the years to set her sights on what she wants and go for it.

Before joining the fertilizer inspection and analysis department as a clerical specialist C in the summer of 1983, Liles was holding two part-time jobs -- and with good reason: They helped pay her expenses while she was enrolled in data processing and secretarial science courses at Tri County Tec.

Liles, who was struck at age 8 with polio, demonstrated an attitude in applying for work here that department head H.V. Rogers found hard to dismiss.

"In the interview," says Rogers, "I was impressed with Donna's persistence, her energy and her enthusiasm. She wouldn't take 'no' for an answer. Also, her training and background, I felt, would be valuable to us since we have been getting into data processing here in the office."

Rogers hired Liles knowing that he would have to scramble fast to make the office and even the building accessible to her. This meant changing restroom facilities, making adjustments to the service elevator so she could operate it, and adding handicapped parking spaces at the P&A Building.

Rogers contacted the Committee on the Handicapped, whose mem-

bers helped to coordinate with the Physical Plant the changes necessary to accommodate Liles. "Personnel over in the Physical Plant were quite cooperative in getting things ready for her," says Rogers, adding that he has been "very pleased with her work."

Before Liles accepted her job, she reached a friendly understanding with her boss-to-be. "We had a verbal agreement in the beginning," says Rogers, "that if, after she came on the job, she found she couldn't handle it, we would part friends."

Happily, for both, there's been no parting of the ways, and Liles says both the department and the University have treated her quite well.

But as for just how far an employer should go in accommodating the handicapped -- especially if the condition of a handicapped person worsens after that person is hired -- Liles says there is a stopping point.

"If my condition should worsen so that I can't perform my job, that's hardly my employer's fault," she says. "They wouldn't keep a person who is not handicapped if that person was not performing the duties."

Liles seems as determined to succeed in her office duties as she is in coping with her handicap. "You learn to make the most of it. If you want something in life you have to go after it. You can't wait for it to come to you. Overall, it's a good life. I can't complain."

## Enrollment by Men and Women - Full Time and Part Time Fall Semester

Classification	MEN			WOMEN			TOTAL		
	Full Time	Part Time	Total	Full Time	Part Time	Total	Full Time	Part Time	Total
1st Semester Freshman	1317	11	1328	1057	17	1074	2374	28	2402
2nd Semester Freshman	288	7	295	178	12	190	466	19	485
Sub-Total	1605	18	1623	1235	29	1264	2840	47	2887
1st Semester Sophomore	804	32	836	696	16	712	1500	48	1548
2nd Semester Sophomore	386	23	409	239	9	248	625	32	657
Sub-Total	1190	55	1245	935	25	960	2125	80	2205
1st Semester Junior	891	49	940	724	20	744	1615	69	1684
2nd Semester Junior	552	30	582	331	19	350	883	49	932
Sub-Total	1443	79	1522	1055	39	1094	2498	118	2616
1st Semester Senior	741	38	779	619	15	634	1360	53	1413
2nd Semester Senior	657	89	746	350	34	384	1007	123	1130
Sub-Total	1398	127	1525	969	49	1018	2367	176	2543
Unclassified Undergraduate	5	17	22	3	23	26	8	40	48
Post Graduate	36	24	60	14	17	31	50	41	91
Post Baccalaureate	4	2	6	1	4	5	5	6	11
Total Undergraduate	5681	322	6003	4212	186	4398	9893	508	10401
Unclassified Graduate	4	53	57	8	105	113	12	158	170
Masters	517	206	723	233	242	475	750	448	1198
Education Specialist	0	10	10	0	2	2	0	12	12
Pre-Doctoral	18	1	19	4	1	5	22	2	24
Doctors	215	47	262	42	13	55	257	60	317
Total Graduate	754	317	1071	287	363	650	1041	680	1721
On-Campus Total	6435	639	7074	4499	549	5048	10934	1188	12122
Clemson at G-ville Tech	0	41	41	0	31	31	0	72	72
MBA Clemson-Furman	0	124	124	0	49	49	0	173	173
Institutes	0	162	162	0	397	397	0	559	559
Off-Campus Total	0	327	327	0	477	477	0	804	804

SEMINARS AND MEETINGS

November

1-30

M	T	W	T	F	S
			1	2	3
4	5	6	7	8	9 10
11	12	13	14	15	16 17
18	19	20	21	22	23 24
25	26	27	28	29	30

- 16 Meeting: Linkup, an organization for all users and potential users of computers. Sponsored by College of Agriculture, Level 1, Cooper Library, 2 p.m. Call 656-3102 or 656-2396 for more information.
- 27-28 Seminar: Slashing. Sponsored by Professional Development, Ramada Inn, Clemson. Call 656-2200 for more information.
- 28-29 Seminar: Computer Literacy for Secretaries. Sponsored by Professional Development, Lehotsky Hall Computer Lab. Call 656-2200 for more information.

FILMS

- 18 "The Graduate." Sponsored by University Union, Y-Theater, 8 p.m. Free with University I.D. Call 656-2461 for more information.
- 19 "Under the Roofs of Paris" and "The Crazy Ray." Sponsored by College of Liberal Arts, 200 Hardin Hall, 8 p.m., free. Open to public. Call 656-3263 for more information.
- 25 "West Side Story." Sponsored by University Union, Y-Theater, 8 p.m., free with University I.D. Call 656-2461 for more information.
- 26 "The Spy Who Loved Me." Sponsored by University Union, Y-Theater, 8 p.m., \$1. Call 656-2461 for more information.
- 29-Dec.1 "Never Say Never Again." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m., \$1.50 with University I.D. Call 656-2461 for more information.

SPORTS

- 16 Swimming: Dynamo Swim Club, men, 7:30 p.m.
- 16 Swimming: Dynamo Swim Club, women, 7:30 p.m.
- 17-18 Swimming: Tiger Invitational, men.
- 17-18 Swimming: Tiger Invitational, women.
- 24 Football: South Carolina, 1 p.m.
- 26 Basketball: Tennessee Tech, men, 7:30 p.m.
- 27 Wrestling: Oregon State, 7 p.m.
- 30-Dec.1 Basketball: IPTAY Invitational Tournament, featuring South Alabama, Houston and Campbell, 7 and 9 p.m.

OTHER EVENTS

- 17 Declamation Contest. High school students recite poetry in different languages for awards. Sponsored by language department, Daniel Hall, 8:30 a.m.-1 p.m. Awards ceremony, Tillman Hall Auditorium, 1-3 p.m. Call 656-3393 for more information.
- 19 Trustees Medal Award Night, public speaking contest. Sponsored by Clemson Forensic Union, Daniel Hall Auditorium, 7 p.m. Open to public, free. Call 656-3168 for more information.
- 21-23 Thanksgiving holidays. Faculty and staff, 22-23 only.
- 29 Local talent night contest. Sponsored by University Union, the Gutter, 8-11 p.m., \$1. Sign up at Union Information Desk. Call 656-2461 for more information.
- Continuous Pre-natal exercise class. Sponsored by YMCA, YMCA Center, Mondays and Wednesdays, 6:30-7:30 p.m. Call 654-2361 for more information.
- Continuous Women's fitness classes for all levels. Sponsored by YMCA Center, Mondays, Wednesdays and Fridays, 9-10 a.m. (babysitting service available) and 10:15-11:15; or on Tuesdays and Thursdays, 4:45-5:45 p.m. and 6:30-7:30 p.m. Call 654-2361 for more information.
- Continuous Aerobic dancin'. Sponsored by YMCA Center. Call 654-2361 for more information.

DE-30

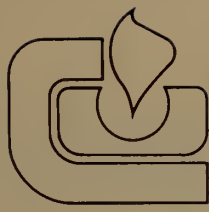
The first part of the report deals with the general situation in the country. It is noted that the economy is in a state of depression and that the government is unable to meet its obligations. The report also mentions that the population is suffering from lack of food and shelter.

The second part of the report discusses the political situation. It is noted that the government is weak and that there is a lack of unity among the different political groups. The report also mentions that the military is in a state of disarray.

The third part of the report discusses the social situation. It is noted that there is a high level of unemployment and that the social services are inadequate. The report also mentions that there is a high level of crime and that the law is not being enforced.

The report concludes that the situation in the country is dire and that urgent action is needed. It suggests that the government should take steps to improve the economy, strengthen the political system, and provide social services.

The report is classified as confidential and should be kept in a secure place. It is to be destroyed after a period of five years.



# Newsletter

November 28, 1984

Vol 24 No 13

DEC 3 1984

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY



*...le unpacking time --It's not round and red, and you can't eat it, but to the  
...iversity employee who ordered this Macintosh, it will be a delicious treat indeed.  
...ck Heck, microcomputer coordinator at the Computer Center, says the center  
...k a dozen or more computer orders on the first "computer order day" Nov. 13.  
...w a few days to three weeks for the arrival of your computer, depending on the  
...d you buy. Digital and Texas Instruments personal computers are also available  
...ugh the center's purchasing agreement.*

## You may buy personal computer through the Computer Center

...one day soon you see people walk-  
...out of the Computer Center with  
...bles and Rainbows under their arms,  
...ot be alarmed. They'll just be taking  
...antage of one of the center's newest  
...ices.

...o assist faculty, staff and students in  
...hasing personal computers and to  
...e you a little money besides, the  
...er has made purchase agreements  
... three computer corporations: Apple,  
...ital and Texas Instruments. You may  
...ertain personal computers from  
...e companies, says Chuck Heck,  
...omputer coordinator at the cen-  
...at a "substantially reduced price."

...though the corporations are not of-  
...g their entire line of computers in  
...agreement, you may find something  
...e list to catch your fancy. Apple, for  
...nce, is including both its "Macintosh"  
...n "Lisa" in the deal; you have a choice  
...ng Digital's "Rainbow 100," "DEC-

...mate II," and "Professional 350"; from  
...Texas Instruments you can choose from  
...a number of configurations of its Desk  
...Top Professional and Portable systems  
...units.

If you are not concerned with brand  
...names and would like to try what Heck  
...calls his "generic approach" in choos-  
...ing a personal computer, you should  
...answer three questions. "First," he says,  
..."ask yourself what you want your com-  
...puter to do. Second, find the ones that  
...will do that for you. Then, buy the least  
...expensive one."

Heck, who serves as the center's  
..."counselor" to employees seeking ad-  
...vice in computer purchases, says, "I  
...don't tell people which computer to buy.  
...I'm not a salesman, I'm merely an ad-  
...viser. A lot of callers know already  
...which computer they want. They just  
...want to know if it'll do what they want it  
...to do."

Heck estimates that you can save 30  
to 50 percent on personal computer  
orders placed through the center. But  
he emphasizes that all prices and poli-  
cies are subject to change without notice.

And since the condition of your com-  
puter is also subject to change without  
notice, he recommends purchasing a  
maintenance contract after the initial  
warranty period is over. "If something  
major goes wrong with your computer,"  
he says, "you're looking at a \$800 or  
\$900 repair bill."

The center, in its agreements, is pro-  
viding warranty service for Apple and  
Texas Instruments, but not for Digital  
equipment. If you purchase a Digital  
computer through the center, you will  
need to make your own arrangements  
for service and maintenance warranties.

Although the center does not now  
have an agreement with IBM for indi-  
vidual purchases, Heck says that a plan  
is in the works and will be announced  
as soon as all the arrangements are  
made.

Meanwhile, faculty and staff members  
may participate in the "direct purchase  
program" of the IBM-PC Jr. Under this  
plan, you order your computer direct  
from IBM by calling 1-800-IBM-2468.  
IBM will then send you an order package  
that will include a certification of eli-  
gibility which must be completed.

Heck has prepared a document listing  
all the computers available from each  
corporation, the prices, information on  
maintenance and warranties and how  
you can order your computer. You can  
get a copy of this document at the  
Computer Center.

The center will be taking orders for  
personal computers on Tuesdays in its  
lobby in the lower level of the P&A  
Building. Call 656-3494 for more infor-  
mation.

## President's Council approves faculty evaluation revision

The President's Council Nov. 9 ap-  
proved without dissent a revised Form 3  
and revised guidelines for use in annual  
evaluations of faculty members.

The Commission on Faculty Affairs  
(Continued on page 2.)

## Attention Faculty Manual Holders

Faculty Manual change notice No. 2 was sent out in October by the Provost's office. Faculty members who did not get copies of these revisions, please contact Tolly Taylor at 656-3243.

(Continued from page 1.)

recommended the changes, which are the result of months of study, review and revision by groups ranging from the Faculty Senate to the Organization of Academic Department Heads to the Council of Academic Deans.

Commission chairman David Senn, president of the Faculty Senate, described the revisions as "mainly clarifications, not substantive changes."

He said attention will now shift to Forms 1 and 2, as the effort to improve the faculty evaluation process continues.

Since faculty evaluation procedures and forms are a part of the Faculty Manual, changes to them must be approved by the Board of Trustees to become effective.

In other business, Vice Provost Jerry Reel reported that a committee of the Commission on Undergraduate Studies is studying the question of plus-minus grading.

He invited anyone with relevant comments or information to contact the committee's chairman, agronomy and soils Prof. Mike Jutras.

Vice President for Student Affairs Walter Cox said the University will honor a request from a private business wanting a copy of next semester's book list. He said the business is interested in selling textbooks locally.

Vice President for Business and Finance Melvin Barnett said architects and engineers with Enwright Associates of Greenville have presented a conceptual design for the Thurmond Institute building and are now developing more-detailed plans and models.

He said if all goes well the bidding process for construction of the building could begin during the spring semester, with actual construction taking 18 to 24 months to complete.

Barnett said the Enwright firm, which is also charged with recommending options for funding the total Thurmond Center, "is still looking for methods of financing" the proposed performing arts and continuing education facilities.

President Bill Atchley called the proposed design for the institute building "one of the most innovative concepts I've seen." He said he hopes to have a model on display on campus soon for all members of the University community to view.

Atchley said the Council may skip its December meeting unless something

comes up that requires action before January. If a December meeting is necessary, he said, it will be held early in the month.

## Clemson AFROTC unit declared number one

It takes a lot of hard work, dedication and quality people to have a number one team, and no one knows that better than the cadets and officers who make up the University's Air Force Reserve Officer Training Corps (AFROTC) detachment.

In national competition this year against 152 other college units, the U.S. Air Force ROTC Headquarters deemed Clemson's Detachment 770 to be the nation's finest.

Col. Lewis E. Jordan, commander of the unit, called the ranking a tribute to the people here who have "set the standard" for AFROTC detachments in such areas as student recruiting, community service, and development of student leadership potential.

"Our use of microcomputers in recruiting was one thing that brought us national attention," Jordan says. A computer program developed by Capt. Rick Sorrenti helps the department keep track of interested high school seniors, making direct mail recruiting efforts more efficient.

Student honorary service organizations, such as Angel Flight and Arnold Air Society, also contributed to the number-one ranking. Angel Flight was also selected best in the nation for service projects, resulting in Clemson being named national Angel Flight headquarters.

The organization sponsors an annual Red Cross blood drive and participates in a POW-MIA awareness program. Senior Kathy Valdes of Mauldin is national Angel Flight commander.

Arnold Air Society has been named southeastern U.S. headquarters and national headquarters for publications.

Clemson is one of the few schools where the Air Force has surpassed the

Army in ROTC enrollment. Enrollment has risen from a low of 114 in 1974 to more than 300 today, representing a 3 percent of the total student body.

Partially because of the University's dedication to the AFROTC program, Headquarters selected Clemson President Bill Atchley to serve on the Air Force ROTC Advisory Committee.

The elite group consists of five university presidents from across the nation selected because of their "academic, administrative excellence and understanding of mutual concerns of the academic and military communities," Jordan says.

Atchley will serve for two years, providing an external source of advice, expertise and influence for AFROTC programs nationwide.



Jackson

## Jackson honored for achievement in entomology

Herman "Jack" Jackson, head of Plant Pest Regulatory Service of the Division of Regulatory and Public Service Programs, has been chosen to receive the national Distinguished Achievement Award for Regulatory Entomology.

The award will be presented in December at the national meeting of the Entomological Society of America.

Jackson, who has headed the plant pest department since 1974, was selected for the award because of his work in activities that have had an impact on



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Assistant Editor \_\_\_\_\_ Joyce D. Barlow  
Production Assistant \_\_\_\_\_ Carla Rees

The staff welcomes your comments and suggestions. Call at 656-2467 or write us at 103 Fike Center.

horticulture industry. For instance, Jackson is chairman of the National Plant Board and the National Plant Advisory Council. The advisory council meets quarterly with the U.S. Department of Agriculture, and, according to the ESA Newsletter, "provides a direct line for input and communication on policies, issues, quarantines and other aspects that might affect the horticultural industry as well as other agricultural industries."

In announcing Jackson's selection for the award, the newsletter reported that significant progress has been made toward changing the image of plant regulatory and quarantine work as viewed by many research, extension and industry people and the consuming public in South Carolina.

Jackson's communications efforts have played an important role in informing horticultural groups of plant pest programs and methods by which regulatory entomology can assist them in shipping and receiving healthy, pest-free nursery stock."

In addition to administration of the nursery program, Jackson is responsible for the administration of the state pesticide program, which includes registration, sampling and quality control of all pesticide products distributed or offered for sale in South Carolina.

A Clemson graduate with a bachelor's degree in zoology, Jackson received his master's degree in entomology from Auburn University and his doctorate in entomology from Oklahoma State University.

### Housing director receives state service award

Almeda Rogers Boettner, director of housing, has received the S.C. Housing Officers Association Distinguished Service Award for 1984.

The award is presented each year to a college or university housing officer who has made outstanding contributions to the housing profession through work on campus housing as well as through involvement in state, regional and international housing professional organizations.

Boettner, who earned both her bachelor's and master's degrees here, joined the staff in 1975 as housing programs coordinator. She later became associate director of housing and, in 1982, was named director.

Boettner, past president of the S.C. Housing Officers Association, is now president of the Southeastern Association of Housing Officers.

Under her direction, the housing staff will coordinate and host at Hilton the 1985 conference of the southern association.



**Choking Charlie** -- Boy Scouts from Den 4 Pack 235 in Clemson learned how to lend a helping hand in emergencies during the Boy Scout Health Fair sponsored by the College of Nursing in October. Some 60 Scouts attended the event to receive health screening and instruction in first aid. Directing the event were Becky Campbell, assistant professor, and Mary Ann Bagwell, instructor, who led hearing and vision screening sessions. The Scouts had their height, weight and posture checked and participated in several health instruction presentations on such topics as sports injuries, drugs and alcohol abuse, using the Heimlich Maneuver on victims of choking and simple first aid techniques. Janet Rollins, here demonstrating the Heimlich Maneuver on Choking Charlie, was one of 25 senior and sophomore nursing students who assisted in the fair.



Anderson

### Chairmen named for Pee Dee teams

Rachel Anderson and Frank FitzSimons have been named chairmen of Extension teams in the Pee Dee region.

Under a new system, says agriculture Dean Luther Anderson, the title of the head of the county Extension Service office has been changed from "leader" to "chairman."

FitzSimons, succeeding Hubert Hardee who retired in June, has been appointed chairman for Georgetown County. He has been agricultural agent for Dorchester County since 1978. He earned his bachelor's degree here in animal science and his master's degree in agricultural education.

Anderson has been appointed chairman for Marlboro County and succeeds Ray Smith who has also retired. She

joined Extension in 1966 as a home economist and has been in Marlboro County since 1980. The home economics graduate of Winthrop College has served Extension in Berkeley, Orangeburg and Bamberg counties.



FitzSimons

### Exxon presents grant

The University has received grants totalling \$14,500 from the Exxon Education Foundation for the 1984-1985 academic year.

The funds are unrestricted and may be used for any educational purpose within the College of Engineering. Civil engineering was awarded \$3,500, chemical engineering \$5,000, mechanical engineering \$4,000, and electrical and computer engineering received \$2,000.

"We are very appreciative of Exxon's increased support," says President Bill Atchley. "These funds will be most helpful in maintaining outstanding academic programs in our College of Engineering."

## Departmental Notes

Announcements of professional accomplishments of faculty and staff members appear in the last Newsletter of each month.

### ACCOUNTING

J.G. Louderback (Prof) and G.F. Dominiak (Texas Christian Univ) published the fourth edition of *Managerial Accounting* (Kent Publishing Co.).

Prof. Louderback and L.P. Ramsay (Assoc Prof) published "Segment Evaluation Using ROI and RI" in *Cost and Management* (November, 1984).

### AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

M.D. Hammig (Assoc Prof), J.W. Jordan (Prof), and R.P. Griffin (Assoc Prof, Ent) published "An Economic Evaluation of a Regional Pest Suppression Program: Boll Weevil Eradication in South Carolina" in the *Journal of Agricultural Entomology*, (July) 1(3):219-226.

B.H. Robinson (Prof & Hd) served as part of a CSRS Review Team for the Department of Agricultural Economics at Mississippi State University, Sept. 10-14, and participated in the Sea Grant Open House in Charleston, Oct. 10-12.

## Rodgers gets honorary American Farmer Degree

John Rodgers, head of the agricultural education department, has received the Honorary American Farmer Degree from the Future Farmers of America.

The degree was conferred on him at the National FFA Convention in Kansas City, Nov. 7-10. Given to persons who have made significant contributions in agriculture, the degree is rarely awarded before the recipient has retired.

Rodgers was a judge for the national proficiency in conservation awards at the Kansas City convention.

He received his bachelor's and master's degrees from Clemson, and his doctorate from Ohio State University. He returned to Clemson in 1968 after serving as head of the agricultural education department at the Virginia Polytechnic Institute.

### BIOLOGICAL SCIENCES

C.S. Brown (Assoc Prof) and C. Nessler (Former Grad Stu) published "Catecholamines, Phenylethylamine Derivatives, and Indolalkylamines" in *Comprehensive Insect Physiology Biochemistry and Pharmacology*, Vol. 11, G.A. Kerkut and L.J. Gilbert (eds.).

D.G. Heckel (Asst Prof) presented a paper on the "Evolutionary Stability of Complex Life Cycles" at the Society for

the Study of Evolution meeting in Crested Butte, Colo., in June.

G.P. Noblet (Assoc Prof) and D.E. Kyle (Grad Asst) presented a paper on the "Seasonal Distribution of Potentially Pathogenic Free-Living Amoeba in Freshwater Lakes" at the 37th annual meeting of the Society of Protozoologists at the University of Georgia, Aug. 19-24.

Prof. Noblet participated in the post-meeting workshop on the ecology of protozoa held at the University of Georgia Marine Institute, Sapelo Island.

G.L. Powell (Prof) was guest professor and Fulbright Senior Professor and Research Scholar at the Max-Planck Institute for Biophysical Chemistry in Göttingen, West Germany, June 1983-August 1984.

E.E. Ruppert (Assoc Prof) received a \$100,000 grant from the National Science Foundation to study "Comparative Ultrastructure and Function of Protonephridia in Polychaetes."

R.J. Taylor (Assoc Prof) presented a paper on "Pursuit and Evasion: A Theoretical Analysis" at the annual meeting of the Animal Behavior Society at Eastern Washington University, Aug. 17.

Prof. Taylor published "Predation," the third volume in the Population and Community Biology Series by Chapman and Hall, Ltd.

J.P. Wourms (Prof) and A.B. Bodine (Assoc Prof, Dairy Sci) presented a paper on the "Structure and Function of Trophonemata, A Placental Analogue, during Early Gestation of the Butterfly Ray" at the third International Congress of Cell Biology in Tokyo, Aug. 26-31.

Prof. Wourms presented a seminar on "Viviparity in Fishes at the Misaki Marine Biology Laboratory in Japan.

### BIOLOGY PROGRAM

The following workshops were presented at the fall meeting of the S.C. Junior Academy at Francis Marion College in Florence, Oct. 6:

-- "Microbiology Research: Ideas for Research Projects" by S. Aneja (Instr);

-- "What a Judge Looks for in a Research Project" by D. Smith (Instr);

-- "How to Choose and Develop a Research Topic" by D.J. Stroup (Asst Prof).

At that meeting W.M. Surver (Assoc Prof), executive secretary of SCJAS, participated in the board of directors meeting.

J.L. Dickey (Asst Prof) presented a seminar, "Resistance and Susceptibility of Evening Primrose to Powdery Mildew" for the Brown Bag Seminar series, Oct. 17.

C.K. Wagner (Assoc Prof) and M.V. Ruppert (Asst Prof) participated in the Health Professors Advisors Workshop sponsored by the Medical University of South Carolina in Charleston, Oct. 18-19.

The following workshops and programs

were presented at the 9th annual convention of the S.C. Science Council Columbia, Oct. 12-13:

-- "Experiments With Enzymes Aneja;

-- "Using Field Trip Materials" by Missimer (Vstg Instr);

-- "Chlorophyll Studies" by Dickey;

-- "Chromosome Studies" by Surver;

-- "Process Labs Using Plants Prof. Stroup and R. Kosinski (Asst P

-- "Medical Technology and Other Health Careers" by Prof. Ruppert

-- "Alien and Seedling, New Program for Biology" by Prof. Kosinski;

-- "Critical Thinking in the Science Classroom" by Prof. Stroup.

Also at the meeting, D.R. Helms (Dir) sponsored, in connection with a two-day program for 40 minority science students. The project was funded through the S.C. Desegregation Plan.

Prof. Wagner was installed as president of the S.C. Association of Biology Teachers.

### CHEMICAL ENGINEERING

J.M. Haile (Prof) and J. Fischer Doz., Institut für Thermo- und Fluidmechanik, Ruhr University, Bochum, Germany) wrote a paper, "Störung der Anisotropen Referenzpotentiale mit Anisotropen Referenzpotentiale" presented by Dr. Fischer at the Sommer Schule "Physik der Flüssigkeiten," Georgen/Langsee in Karnten, Austria, Oct. 2-13.

### CHEMISTRY AND GEOLOGY

R.A. Abramovitch (Prof) and R. Jean (Form Rsrch Assoc) published chapter, "Nitrenium Ions," in the book *Azides and Nitrenes: Reactivity and Chemistry*, edited by E.F.V. Scriven.

Prof. Abramovitch, A.O. Kress (Stu), S.P. McManus (Univ of Ala, Hville), and M.R. Smith (Grad Stu, Hville) published a paper, "Solutior Flash Vacuum Pyrolyses of 3-Arypanesulfonyl and 2-(Aryloxy)etharsulfonyl Azides. Synthesis of 7-Membered Sultams" in the *Journal of Organic Chemistry* 1984, 49, 3114.

K. Dill (Assoc Prof), R.D. Carter (Stu), and H.K. Lannom (Grad Stu) presented "13C-NMR Studies of La Glycophorins" at the South Carolina Heart Association meeting in Columbia, Oct. 10.

Prof. Dill, M.E. Daman (Grad R.D. Carter (Grad Stu), A.A. Pavia (Centre Universitaire d'Avignon), E. Coster (Grad Stu, CUA), and J.M. Lannom (Res Assoc, CUA) presented "Molecular Interaction of Mn<sup>2+</sup> and Gd<sup>3+</sup> with Gluconamides and Cyclitols," at the Southeastern Regional American Chemical Society meeting in Raleigh, North Carolina, Oct. 15.

Prof. Dill, R.D. Carter (Grad Stu



C. Lannom (Grad Stu) presented "13C Labeling of the Transmembrane Glycoprotein, Glycophorin A" at the 19th Annual Southeastern Regional Lipid Conference in Cashiers, N.C., Nov. 1.

L. Kholodenko (Asst Prof) published "Oil-globule Transition: Comparison of Theoretic and Conformational Space Simulations" in the *Journal of Physics Math. Gen.* 17, printed in Great Britain 34) 2703-2727.

Prof. Kholodenko published "Diffusion Conductivity Exponents Not Based on the Alexander-Orbach Conjecture" in *Physics of Aggregation and Gelation*, F. Family, D.P. Landau (Eds), Elsevier Science Publishers B.V., 1984.

P. Marullo (Prof), A.W. Snow and Griffith (Naval Research Lab., Wash.) published a paper, "Synthesis and Characterization of Heteroatom-Bridged Metal-Free Phthalocyanine Network Polymers and Model Compounds" in *Macromolecules*, (1984) 1614-1624.

T. Tissue (Assoc Prof) was awarded a \$10,296 grant by the Great Lakes National Programs Office of the U.S. Environmental Protection Agency to study spectroscopic determinations of some trace metals at an offshore site in Southern Lake Michigan.

Y. Zheng (Res Assoc/Asst Prof), C.W. Knight Jr. (Grad Res Asst), and D.D. Marteau (Prof & Hd) have published "The Novel Reactions of N-Chlorodimethanimine" in *The Journal of Organic Chemistry*, Vol. 49, (1984) 3590.

## COMPUTER SCIENCE

M. Geist (Assoc Prof) and K. Trivedi (Prof, Duke Univ) published a paper, "Composition in Reliability Analysis of Fault-Tolerant Systems," *IEEE Transactions on Reliability*, R-32 (October, 1983).

Prof. Geist, Prof. Trivedi, M.K. Smotherman (Asst Prof) and J. Dugan (Vstg Asst Prof, Duke Univ) published a paper, "Issues in Reliability Modeling of Fault-Tolerant Computers," in the Proceedings of the Second GI/NTG/GMR Conference on Fault-Tolerant Computing Systems, Bonn, West Germany, (September, 1983).

## ECONOMICS

B. Yandle (Alum Prof Econ) led a discussion on the Federal Trade Commission with faculty and graduate students at the University of York, in York, England, May 18.

Prof. Yandle delivered lectures on the regulation of environmental regulation in the U.S. at the University of East Anglia, Norwich, England, May 25 and at Berlin Technical University, June 14.

Prof. Yandle lectured on the history and reforms of government regulation at the Federal Executive Seminar Center in Nashville, Tenn., Sept. 26.

Prof. Yandle published "Regulatory Reform at the FTC," in *Business*, Vol. 34, (August/September 1984) 53-57 and "Groundwater and the Land Value Tax," in *American Journal of Economics and Sociology*, Vol. 34, (July 1984) 323-332.

Prof. Yandle has been named to the editorial board of *Social Science Quarterly*.

Prof. Yandle and M.T. Maloney (Prof) published "Estimation of the Cost of Air Pollution Control Regulation," in the *Journal of Environmental Economics and Management*, Vol. 11, (September 1984) 244-263.

## Clemson chosen to get Du Pont fellowships

Clemson has been chosen to join a consortium of 17 universities participating in the Du Pont Graduate Fellowship in Electrical Engineering Program.

The program, initiated this year, will grant fellowships of \$4,000 a year to qualified students. The fellowship is designed to encourage outstanding U.S. citizens to pursue graduate degrees in electrical engineering.

Awarded for two years, the fellowship is renewable for an additional two years for those seeking a doctoral degree. Fellowship candidates also receive summer employment.

## ELECTRICAL AND COMPUTER ENGINEERING

D.J. Dumin (Sr Rhodes Prof) presented a paper, "Heteroepitaxial Growth of Multiple Silicon-Insulator Structures and Properties of MOS Transistors Fabricated on These Layers," at the 1984 IEEE SOS/SOI Technology Workshop at Hilton Head Island, Oct. 2-4.

J.F. Leathrum (Prof) delivered a paper, "Design of an Ada Run-time System," and was a member of the technical committee at the Ada Applications and Environments Conference in St. Paul, Minn., Oct. 15-18.

Also at that conference, J. Tokar (Grad Asst) chaired a session on Ada Run-time Models.

F.R. Sias Jr. (R A Bowen Assoc Prof) participated in the summer faculty fellowship program at the Marshall Space Flight Center in collaboration with the University of Alabama, and he received a "Certificate of Recognition" from NASA and the American Society for Engineering Education for his work on the research project.

## ELEMENTARY AND SECONDARY EDUCATION

A.M. Derr (Asst Prof) presented an inservice workshop, "Study Techniques for Handicapped Students in Mainstream

Social Studies Classes" to Oconee County secondary school social studies teachers, Oct. 12.

J.V. Hamby (Assoc Prof), F.C. Raetsch (Assoc Prof), V.B. Stanley (Assoc Prof), and H.S. Hill Jr. (Assoc Prof, Exp Stat) published "A Study of Grade Inflation in Ten Majors at Clemson University" in *Clearinghouse on Higher Education* (September 1984).

R.E. Jenkins (Assoc Prof) has been asked to serve on the School District/City Council Committee for Improving the Quality of Education in the Greenville County School District.

R.K. Peden (Prof) presented a paper, "School Safety and First Aid," at the 58th annual convention of the American School Health Association in Pittsburgh, Pa., Oct. 10-12. At that convention he served as chairperson of the safety and emergency care committee, the environmental health committee, the consumer health committee, the budget & finance committee, and the ASHA study committee.

W.W. Pennscott (Prof) made an inservice presentation, "Group Counseling Procedures with Adolescents" to counselors at Greenwood High School in Greenwood.

V.B. Stanley (Assoc Prof) presented "Writing Throughout the Curriculum" to the Central Elementary faculty in-service Oct. 5.

## ENGINEERING TECHNOLOGY

The department of engineering technology received a new equipment donation from the Square D Company under a proposal written by R.J. Kopczyk (Assoc Prof & Actg Hd). This equipment consists of 4 Sy Max 300 digital programmable controllers valued at \$4,500 to be used in the process control and automated manufacturing laboratory.

Prof. Kopczyk attended a three-week faculty development training workshop on "Applications of Process Control in the Process Industry" at the Foxboro Company's International Training Center in Foxboro, Mass., in August. This training was related to the \$180,000 equipment donation that Foxboro presented to the department in 1982.

Prof. Kopczyk attended a three-day workshop on "Application of Strain Gages in Experimental Stress Analysis Techniques" for the Teaching laboratory at Micro Measurement Company in Raleigh, N.C., in July.

C.K. Roby (Assoc Prof) reviewed the text *Programmed Projects for Electrical and Electronics Fundamentals* for Reston Publishing Company.

Prof. Roby participated in the 2nd Biennial International Machine Tool Technical Conference while attending the International Machine Show in Chicago, Ill., in September.

(Continued on page 6.)

(Continued from page 5.)

## ENGLISH

H.B. Bryant (Assoc Prof) read "Eros and Alienation in Thomas Mann's 'Little Herr Friedeman' and Nathaniel Hawthorne's 'Young Goodman Brown'" at the Mountain Interstate Foreign Language Conference at East Tennessee State University, Oct. 4-6.

Prof. Bryant chaired a session on "The Influence of Byron on Continental Art and Literature" at the Carolinas Symposium on British Studies at Appalachian State University in Boone, N.C., Oct. 13-14.

B.K. Duffy (Asst Prof) published "The Anti-Humanist Rhetoric of the New Religious Right" in *Southern Speech Communication Journal*, 49 (1984), 339-60, and "A New Meaning for Secular Humanism" in *Religious Humanism*, 18 (1984), 127-30.

S.K. Eisiminger (Assoc Prof) and R.W. Hill (Prof) gave a poetry reading at Furman University, Oct. 22.

J.L. Idol Jr. (Prof) published "Thomas Wolfe and the Metier of French Writers" (an article) and "Wolfe and Perkins at Gettysburg, 1936" (a poem) in *The Thomas Wolfe Review* (Fall 1984).

L.W. Rollin (Instr) received The George L. Whatley Prize for her article "Baryshnikov Meets Bowie: Androgyny and the Popularity of Ballet." The award is given for the best article in *Studies in Popular Culture* in 1984. The presentation was made Oct. 6-8 at the annual meeting of the Popular Culture Association in the South in Knoxville, Tenn., where she also presented the paper "Michael Jackson: The Androgyny Connection," written with R.B. Rollin (Lemon Prof), who will serve as the Association's president in 1984-85.

D.C. Tillinghast (Assoc Prof) gave a poetry reading for the Clay County Historical and Arts Council, Moss Memorial Library in Hayesville, N.C., July 25.

Prof. Tillinghast published "The Great Fire" (non-fiction) in the *Virginia Quarterly Review*, 60, No. 3 (1984) 465-472.

E.P. Willey (Assoc Prof) published five poems: "Solitaire," "The Mystery of Life," and "Star-crossed" in *Kindred Spirit*; "The Land" in *Pegasus Review*, and "Snap Judgment" in *Blue Light Review*.

## FOOD SCIENCE

C.V. Morr (Stender Prof) chaired the annual meeting of the NE-123 Regional Experiment Station Project on Functional Properties of Proteins at the New York State Agricultural Experiment Station in Geneva, N.Y., Oct. 11-12.

Prof. Morr met with the advisory committee for the "On Farm Ultrafiltration Of Milk," sponsored by Dairy Research Incorporated and The California Milk Advisory Board in Sacramento and Davis, Calif., Oct. 29.

## HISTORY

E.C. Cass (Vstg Asst Prof) spoke on "A Century of Science and Technology in Civil Engineering" at the Northwest Branch of the American Society of Civil Engineers, South Carolina Section meeting in Greenville, Oct. 22.

T. Perdue (Assoc Prof) commented on papers at the Conference on Cherokee Prehistory at Warren Wilson College, Sept. 15. She presented "Cherokee Women and the Trail of Tears" to the Western Historical Association in St. Paul, Minn., Oct. 12, and presented a program on "Native Carolinians in 1600" at a meeting of the Piedmont Indian Association in Greenville, Oct. 18.

J.V. Reel Jr. (Prof & Vice Prov) reviewed *The Diary of Richard Wagner: The Brown Book, 1865-1882* in *The Opera Journal*, Vol. 17, No 3 (1984).

J.R. Wunder (Prof & Hd) attended the Western History Association meeting where he chaired a session, "Benjamin Harrison and the West," and assumed the chairmanship on the membership committee for the eastern region.

Prof. Wunder and R.M. Golden (Prof) received grants of \$10,000 from the S.C. Committee for the Humanities and \$3,000 from the Huguenot Society of South Carolina to conduct a lecture series, "The Huguenot Connection: The Tercentenary of the Revocation of the Edict of Nantes and Early French Migrations to South Carolina." The lecture series will be held in Charleston and Clemson during the fall of 1985 and will feature historians from France, England, and the United States.

## HORTICULTURE

R.G. Halfacre (Prof) has been appointed to the Council for Professional Horticulture, a nine-member council appointed by the American Society for Horticultural Science to study the accreditation of teaching programs in horticulture departments.

## HOUSING



Polly Hamilton of Central was named Custodian of the Month in September. She has been employed with the Housing Office since March, 1971.

## INDUSTRIAL EDUCATION

A.F. Newton (Prof & Hd) made a pre-

sentation, "Games That Trainers Play to the Carolinas Society for Training and Development (CSTD) during fall conference at Columbia, Oct. 24" that meeting Newton received an award for "Outstanding Leadership as a B Member, 1979-1984." He served as president in 1982 and president in during the five-year period on the Board.

## LANGUAGES

M. Cranston (Assoc Prof) published the following solicited reviews:

-- *Lettres d'Idumee, precedees de Peage* by Etienne, Marie. *World Literature Today*, 57:605.

-- *Lexique pour l'explication de la langue* by Biard, J.D. and *Dictionnaire des mots abstraits* by Sommant, Micheline. *French Review*, 56:625.

-- *Darius* by Grosjean, Jean. *World Literature Today*, 58:233.

-- *Nuages, Nuit* by Ray, Lionel. *World Literature Today*, 58:236-37.

-- *Guillaume Apollinaire et l'esprit nouveau* by Wijk, Margareth. *French Review*, 57:722-23.

-- *Tombeau de Monsieur Aragon* by Ristat, Jean. *World Literature Today*, 58:389.

-- *The Eye in the Text: Essays in Reception, Mannerist to Modern* by C. Mary Ann. *French Review*, 57:388-389.

## \$50,000 grant will help library improve archive

The Robert Muldrow Cooper Library has received a \$50,000 grant to create a records management program and improve the University archives.

The money, appropriated by the National Historical Publications and Records Commission, will be used to fund a position for a records manager, develop a records management program for selective storage and disposal of University records and hire a University archivist.

Library director Joe Boykin said the grant is a substantial sum for the library. "It is especially important that we get the University records in order as we approach Clemson's centennial celebration," he says.

## LIBRARY

M.N. Sly (Asst Lib, Archvst) co-learned workshop on "Probability Sampling Archivists" at the Society of American Archivists' annual meeting in Washington, D.C., Sept. 3. She was elected secretary/treasurer of the Archives Special Collections Roundtable of the S.C. Library Association at the Association's annual meeting in Columbia, S.C., Oct. 14.

**MANAGEMENT**

K. Butler (Assoc Prof) and R.S. Can- (Asst Prof) published "A Behavioral Decision Theory Approach to Modeling Trust in Superiors and Subordinates" in the *Eastern Academy of Management Proceedings*, (Spring, 1984).

D. Crino (Assoc Prof), M.C. White (Assoc Prof, LSU) and J. Naramore (Asst) have had "Sex Differences in Job Attributes: A Review of the Job Satisfaction Literature" accepted for publication in the *International Journal of Management*.

Prof. Crino, S. Rubinfeld (Assoc Prof, of Minn), and F. Willoughby (Grad of Texas Tech) have had an article, "Random Response Technique as an Indicator of Questionnaire Item So-Desirability/Personal Sensitivity," accepted for publication in *Educational Psychological Measurement*.

Prof. Crino, A. Curatola (Assoc Prof, of Minn) and W. Samson (Assoc Prof, Univ of Minn) have had an article, "The New Employee Orientation: An Ideal Time to Assess Implications of Lump Sum Rent Distribution," accepted for publication in *Personnel*.

Prof. Stahl (Prof & Hd) has had an article, "Selecting and Training Management Talent Among Scientists and Engineers: Power Motivates," accepted for publication in *Research Management*.

**MARKETING**

Prof. LaForge (Asst Prof) recently presented a paper, "The Over-65 Age Group: A Market Segment or Segmented Market?" at the annual meeting of the Mid-Atlantic Marketing Association in Orlando, Fla. The paper is published in the group's *Selected Proceedings*.

**MATHEMATICAL SCIENCES**

Prof. Brawley (Alumni Prof) gave a lecture, "Some Games You Can Win," to the Greenville County Council of Teachers of Mathematics at their annual fall conference at Greenville Middle School, Oct. 11.

Prof. Brawley gave a lecture, "Mathematical Questions in Cryptography," at Georgia State University in Atlanta, Ga., Oct. 17.

Prof. Fennel (Assoc Prof) presented a paper, "Control Coordination," and J.A. Fennel (Prof) presented "A Checkable Condition for Controllability of Linear Retarded Systems" at the Southeastern Mathematical Regional Conference on Differential Equations at Wake Forest University, Winston-Salem, N.C., Oct. 12-13.

Prof. Proctor (Prof) was elected to a three-year term on the steering committee. Clemson will host the conference in the fall, 1986.

Prof. Askar (Prof) and S.T. Hedetniemi (Assoc Prof, Comp Sci) published a paper, "Directed Domination in Graphs," in

*Graph Theory and Combinatorics*, a volume in honor of Paul Erdos, edited by B. Bollobas, Academic Press (1984) 209-218.

R.E. Jamison (Prof) was an invited speaker at the Colloque Theorie Algebrique des Graphes in Le Mans, France, at the Universite du Maine, Sept. 5-11. He presented a paper on local convexity in graphs and chaired a session on combinatorics and optimization.

Prof. Jamison presented a paper on greedy sequences and slope-critical configurations at the Oberwolfach Tagung on Combinatorial Geometry at the Mathematical Research Institute in Oberwolfach, West Germany, Sept. 23-29.

J.W. Kenelly (Prof) chaired a meeting of the College Board's Mathematical Sciences Advisory Committee in New York, N.Y., Sept. 20-22.

Prof. Kenelly gave a presentation, "Horace's Hope: Extending the Dialogue With Classroom Teachers," at the academic town meeting of the College Board's 1984 annual meeting in New York, N.Y., Oct. 28. At the same meeting he served as the moderator for the series of presentations on "Successfully Implementing Advanced Academic Programs in the Secondary Schools."

Prof. Kenelly delivered a series of invited talks at regional meetings of mathematics teacher groups:

-- "Grading the 1984 AP Calculus Exam" and "College Board Update" at the North Carolina Council of Teachers of Mathematics in Greensboro, N.C.

-- "The Whys of a Good Preparation for Calculus-AP or Otherwise?" at the Georgia Council of Teachers of Mathematics in Elberton, Ga., Oct. 18.

-- "Mathematics (and Computer) Requirements and the Development of Reasoning Ability" at the National Council of Teachers of Mathematics in Memphis, Tenn., Nov. 1.

-- "The College Board's New Recommendation in Mathematics" at the S.C. Council of Mathematics in Greenville, Nov. 17.

D.R. Shier (Prof) gave a talk "Turtles, Tracing, and Trash Collection" to student members of Mu Alpha Theta (Mathematics Honor Society) at Wade Hampton High School, Oct. 2.

Prof. Shier presented a paper, "NET-PAC: A Computerized System for Network Analysis," written with J.P. Jarvis (Assoc Prof), at the WORMSC Symposium on Operations Research: Traditional and Non-Traditional Applications at George Mason University, Oct. 16.

**MECHANICAL ENGINEERING**

The Deutz Corp. donated a \$10,000 diesel engine to the mechanical engineering department. A West German company that operates in the United States, it presented the engine Oct. 22

in a ceremony at the Rhodes Engineering Research Center. The engine will be used for research and for a teaching aid in senior-level laboratories in mechanical engineering.

J.G. Goree (Prof) attended the 10th annual mechanics of composites review in Dayton, Ohio, Oct. 15-16. He presented a paper, "Longitudinal Splitting in Unidirectional Composites, 'Analysis and Experiments,'" at the 21st Annual Society of Engineering Science meeting at VPI in Blacksburg, Virginia, Oct. 17. The paper was written with J.M. Wolla (Former Grad Stu).

Prof. Goree has been notified of the continuation of his NASA Grant NSG-1297, "Fracture and Crack Growth in Orthotropic Laminates," for the period Aug. 15, 1984 to Aug. 16, 1985. The \$40,000 grant brings to \$475,000 the total amount received from NASA over the past 10 years for this research.

C.E.G. Prziembel (Prof & Hd) chaired a technical paper session, "Materials Handling Engineering" at the American Society of Mechanical Engineers Manufacturing Technical Conference in Greenville, Oct. 22-26.

**NURSING**

The "Living Well" newspaper column, a weekly publication of the College of Nursing designed to provide the public with health information, received honorable mention in the Public Media Award Competition at the Regional Assembly of Sigma Theta Tau in Columbia, Oct. 5. B.F. Campbell (Asst Prof), coordinator of the project, accepted the award on behalf of the college.

**PARKS, RECREATION AND TOURISM MANAGEMENT**

H. Brantley (Hd and Assoc Dean) was inducted into the "Order of the Palmetto" and named a "Palmetto Gentleman" by Gov. Riley. The award was given for his active professional involvement at both state and national levels, his most recent office being president of the National Recreation and Park Association. The award was presented by Dean Ben Box at the October National Congress for Recreation and Parks in Orlando, Fla.

F.A. McGuire (Assoc Prof), E. Barch (Former Grad Stu) and C. Bullock (University of N.C. at Chapel Hill) published "Perceived Research Needs of Therapeutic Recreators" in the *Therapeutic Recreation Journal* (18:3).

Prof. McGuire, R. McLellan (Prof), and K. Gillespie (Former Undergrad Stu) published an article, "The Effect of Refreshments on Attendance at Recreation Activities for Nursing Home Residents," in the *Therapeutic Recreation Journal* (18:3).

Prof. McGuire received a donation of computer equipment valued at over \$10,000.

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\$26,000 from Texas Instruments to be used in a project involving the use of computers by individuals with Alzheimer's Disease.

#### PHYSICS AND ASTRONOMY

P.B. Burt (Prof & Hd) was an invited participant in the International Conference on Photon-Photon Interactions at Lake Tahoe, Calif., Sept. 10-12.

Prof. Burt published a paper, "Intrinsically Nonlinear Waves in Magnetic Hydrodynamical Systems," in *Letters to Nuovo Cimento*, Aug. 25.

J.R. Ray (Prof) and J.L. Reid (Vstg Asst Prof) published a paper, "The Initial Value Problem for the Ermakov-Pinney Equation," in (*ZAMM*) *Z. Angew. Math. U. Mech.*, Vol. 64 (1984), 365.

#### PLANT PATHOLOGY & PHYSIOLOGY

L.W. Baxter Jr. (Prof) and S.G. Fagan (Ag Sci Asst) published "Silver Leaf, An Injury on *Camellia Japonica*" in *The Camellia Journal* 39(2):13-14.

C.A. Pettigrew (Grad Res Asst), M.J.B. Paynter (Prof & Hd, Dep. of Micro), and N.D. Camper (Prof) presented "Anaerobic Microbial Degradation of Propanil, A Herbicide" at the South Carolina branch of the American Society of Microbiology in Columbia, Oct. 4-5.

#### POLITICAL SCIENCE

M.A. Morris (Assoc Prof) and V. Millan (Stockholm Intrntl Peace Rsrch Inst) recently presented two papers: "Confidence Building Measures in Latin America" at a conference in Montreal, Canada, sponsored by the York University Research Programme in Strategic Studies; and "Confidence Building Measures in the 80's" at the Institute for East-West Security Studies in New York.

M.W. Slann (Prof) has been appointed to the *Comparative Politics 85/86* editorial advisory board by Dushkin Publishing Group, Inc.

#### PSYCHOLOGY

D. Moore (Asst Prof) and K. Zabrocky (Vstg Asst Prof) presented "Children's Error Detection: Are Verbal and Nonverbal Measures Related?" at the annual meeting of The Psychonomic Society in San Antonio, Texas, Nov. 8-10.

#### SOCIOLOGY

C. McKelvey (Asst Prof) published "Christian Epistemology and Social Scientific Method: Bernard Lonergan's Achievement" in *Thought*, 59(234), (September, 1984) 334-347.

Prof. McKelvey presented a paper, "The Significance for Marxist Thought for Christian Social Responsibility," at the American Sociological Association annual meeting in San Antonio, Texas, Aug. 28.

Prof. McKelvey presented a paper, "The Sociology of Race Relations: A Case of Relevant Questions Overlooked" at the Association for Humanist Sociology meeting in Chicago, Ill., Oct. 12.

J.W. Ryan (Asst Prof) published a report, "Higher Morbidity Among Non-marrieds" in *Physician and Patient*, 3(8), (August 1984) 29.

#### Textiles

H.M. Behery (Prof) presented the following papers at the annual ASME Manufacturing Technical Conference in Greenville, Oct. 22-26:

-- "Mechanics of Carpet Growth During Installation" with J.A. Monson (DuPont Co);

-- "Migration Behavior of Polypropylene Fibers in Blended Spun Yarns" with A. Gulati (Grad Teach Asst);

-- "Open-End Spinning Parameters of Polypropylene/Cotton Blended Yarn for Apparel Application" with S.R. Yang (Prof, East China Inst of Text Sci and Tech, Shanghai, People's Republic of China);

-- "Design of the Drawing-Off Nozzle in Open End Spinning and Its Effects on Yarn Properties" with H.J. Barndt (Prof, Philadelphia School of Textiles).

#### UNIVERSITY UNION

W. Mandicott (Prog Dir) recently coordinated registration and conference operation for the 1984 National Association for Campus Activities Southeast Regional Conference in Savannah, Ga., Oct. 11-14. Over 900 delegates representing 110 colleges in the Southeast and 115 business members attended the annual fall conference of student activities professional staff/volunteers.

Mandicott was reappointed treasurer for the NACA Southeast Region.

## Positive attitude linked with health

by Becky F. Campbell  
Assistant Professor  
College of Nursing

Thanksgiving holidays often cause people to stop, count their blessings and be grateful for all the good things that have happened to them. Such thoughts reflect a positive attitude toward life.

Some people now think that keeping this type of attitude after Thanksgiving and practicing it all year round can be the key to good health.

Taking a positive attitude to life means making a commitment to positive health habits. Cigarettes, alcohol, drugs, fat, inactivity, and accidents all represent a gradual form of suicide.

Absolute prohibition of these activities is not required, but self-discipline is

essential. Negative attitudes such as "can't even cut down" reflect a lack of control and an unwillingness to change.

Experts think that the people who survive life's problems are those who find good things about the most adverse situations. Those people seem to grow and mature from crises.

Here are some ways to have a positive attitude throughout the year:

- Make up your mind to succeed goal.
- Tune out negative voices from yourself and others.
- Count your successes. Accept praise graciously. Reward yourself.
- Learn from your mistakes and appointments. Look at the next day as a new beginning.
- Share something you have with someone less fortunate.
- Think about the good things that have happened in life. Never dwell on the bad.
- Use the holidays to be close to the ones you love. Enjoy every moment together -- the smell of the food, crackling fire, the smiles, the laughter and the sharing.

## Program aims to help scientists learn how to deal with the media

You don't have to be an Einstein to figure out that science is big news these days. Just take a look at any newspaper or watch any edition of the evening news.

When it comes to reporting on issues as hazardous waste, nuclear weapons or changing computer technology, the media frequently turn to the scientist.

It's not always a smooth relationship but University Relations is sponsoring a program this week that might make it a bit smoother for scientists here.

A series of seminars aimed at helping scientists understand the media is held today, tomorrow and Friday, 28-30.

During each session, each of which will run just under two hours, several faculty members can learn every time they always wanted to know about what's quoted in print or on the air, what people in University Relations are so hard to make that happen more often and how researchers can help it happen.

Today's and tomorrow's program will be held from 10 a.m. until noon on Friday's from 1 p.m. until 3 p.m., in the Senate Chambers of the University Union complex.

You need only attend one session whenever it suits your class schedule.

For more information call University Relations at 656-2061.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

**Nov. 30-Dec. 7**

**WORKSHOPS, SEMINARS,  
AND MEETINGS**

December  
-31

M	T	W	T	F	S
					1
3	4	5	6	7	8
10	11	12	13	14	15
17	18	19	20	21	22
24	25	26	27	28	29
31					

- 4-5 Workshop: "Robotics." Sponsored by Continuing Engineering Education. Call 656-3308 for more information.
- 4-5 Seminar: "Narrow Fabrics." Sponsored by Professional Development, Ramada Inn, Clemson. Call 656-2200 for more information.
- 7 Meeting: "Linkup" -- an organization for all users and potential users of computers. Sponsored by College of Agriculture, Room D-135, P&AS Building, 2 p.m. Call 656-3102 or 656-2396 for more information.
- 7 Seminar: "The Interaction of Stress Hormones, ACTH, Catecholamines and Glucocorticoids" by Dr. Julius Axelrod, Nobel Laureate in physiology and medicine, National Institute of Mental Health. Sponsored by animal science department, Lee Hall Auditorium, 3:30 p.m. Call 656-3426 for more information.

**MUSIC AND FILMS**

- 2 Film: "Cool Hand Luke." Sponsored by University Union, Y-Theater, 8 p.m. Free with University I.D. Call 656-2461 for more information.
- 3 Applied music students recital. Sponsored by music department, Daniel Hall Auditorium, 7:30 p.m. Open to public. Free. Call 656-3043 for more information.
- 4 Clemson University Concert Series: The New Swingle Singers. Sponsored by music department, Tillman Hall Auditorium, 8 p.m. Students present activity cards for admission, others present season tickets (\$20 for adults, \$10 for students) or ticket may be purchased in Tillman Hall lobby prior to performance (\$6 and \$2). Call 656-3043 for more information.
- 4 Film: 110 Liberal Arts Film, 200 Hardin Hall, 7 p.m. Open to public. Free. Call 656-3263 for more information.
- 6 Clemson University Chorus and Choral Ensembles. Sponsored by music department, Tillman Hall Auditorium, 8 p.m. Open to public. Free. Call 656-3043 for more information.
- 6-8 Film: "A Christmas Story." Sponsored by University Union, Y-Theater, 7 & 9:15 p.m., \$1.50. Call 656-2461 for more information.

**SPORTS**

- 30-Dec.1 Basketball: IPTAY Invitational Tournament, featuring South Alabama, Houston and Campbell, men, 7 and 9 p.m.
- 1 Basketball: Delaware State, women, 3:30 p.m.

# EVENTS

The following events are scheduled for the month of [Month].

**1. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**2. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**3. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

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**7. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**8. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**9. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**10. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**11. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**12. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**13. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**14. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**15. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**16. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**17. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**18. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**19. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

**20. [Event Name]** - [Date] at [Location]. [Description of the event, including details about the speaker, the topic, and the expected audience.

## OTHER EVENTS

- 1 Christmas shopping trip to Atlanta. Sponsored by University Union, 8 a.m.-5:30 p.m., \$8 includes transportation. Sign up at Union Information Desk or call 656-2461 for more information.
- 2 Christmas shopping trip to Waccamaw Pottery in Spartanburg. Sponsored by University Union, 1-5:30 p.m., \$6 includes transportation. Call 656-2461 for more information.
- 4 Short course: "Financial Aid." Sponsored by University Union, 7-9 p.m. Free. Sign up at Union Information Desk. Call 656-2461 for more information.
- 5 English Hour Lecture: "The Elite Connection: Opera and Ballet in Popular Culture" by Lucy Rollin, an instructor of English, and Jerome Reel, Jr., vice provost and a professor of history. Sponsored by English department, 108 Strode Tower, 3:30 p.m. Open to public. Free. Call 656-3151 for more information.
- 5 Lecture: "Southern Politics" by Earl Black, a professor from the University of South Carolina. Sponsored by Southern Studies Lecture Series and Pi Sigma Alpha, Lee Hall Auditorium, 8 p.m. Reception follows in Lee Hall Gallery. Call 656-3153 for more information.
- 7 Colonial Christmas at Hanover House with the Madrigal Singers. Refreshments will be served, 5-9 p.m. Open to public. Call 656-4789 for more information.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be clearly documented and supported by appropriate evidence. This includes receipts, invoices, and other relevant documents that can be used to verify the accuracy of the records.

The second part of the document outlines the various methods used to collect and analyze data. It describes how different types of information are gathered, processed, and then used to draw conclusions. This involves a systematic approach to data collection, ensuring that all relevant information is captured and analyzed thoroughly.

The third part of the document focuses on the interpretation of the results. It explains how the data is analyzed to identify trends, patterns, and anomalies. This step is crucial for understanding the underlying causes of the observed phenomena and for making informed decisions based on the findings.

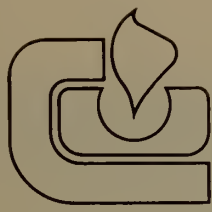
Finally, the document concludes by summarizing the key findings and providing recommendations for future research. It highlights the importance of ongoing monitoring and evaluation to ensure that the data remains current and relevant. The document also provides a clear and concise summary of the entire study, making it easy for readers to understand the main points and conclusions.

The following table provides a detailed breakdown of the data collected during the study. It includes information on the number of observations, the range of values, and the distribution of the data. This table is essential for understanding the characteristics of the data and for identifying any potential issues or biases.

Variable	Mean	Standard Deviation	Minimum	Maximum
Variable 1	12.5	3.2	5.0	20.0
Variable 2	8.7	2.1	3.0	15.0
Variable 3	15.3	4.5	8.0	25.0

The data shows a clear trend of increasing values over time, which is consistent with the theoretical model. The standard deviation is relatively low, indicating that the data points are closely clustered around the mean. This suggests that the model is a good fit for the observed data.





# Newsletter

December 5, 1984

Vol 24, No 14

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

DEC 5 1984



Charter members -- Leading the charter membership roll of the Presidents Club are President Bill Atchley, left, and Board of Trustees Chairman James Waddell, right, shown here with club chairman Tom Lynch.

## Atchley, Waddell become charter members of Presidents Club

President Bill Atchley and Board of Trustees Chairman James Waddell have become the first two members of the new Presidents Club, one of three major gift clubs for persons who accept the invitation to express their support for Clemson academics through generous and distinguished levels of giving.

President Atchley and Waddell are the first charter members of the select Presidents Club, membership in which is accorded to individuals who give or commit to give \$10,000 or more to the University through the Clemson University Foundation.

Contributions may range from cash, securities or real property totaling at least \$10,000 (donated in lump-sum or over three or 10 years) to a deferred gift of \$25,000 or more given under arrangements acceptable to the Foundation.

The chairman of the Presidents Club, Tom Lynch, said the new gift clubs allow individuals to make specific, long-term commitments to academic excellence at Clemson and allow the University to recognize such donors on a continuing basis.

Formerly, major gifts were received and acknowledged on an annual basis,

with donors becoming members of the University's "Honor Roll" for a year.)

"Our basic goal is to increase the University's endowment and private support," said Lynch, president of Lynch Drug Co. and a member of Clemson's class of 1958, "but we have broader goals as well.

"Through the Presidents Club we hope to encourage alumni and friends to take a more active interest in the University. Participation in club activities will, of course, be a personal matter, but through meetings, publications and other means of communication, we hope to develop a free exchange of ideas between club members and the administration.

"This is an honor group of people who recognize the needs of the University and who, in turn, will be recognized by the University for helping to meet those needs. In recognition of their financial commitment to Clemson, the members will enjoy special privileges and opportunities in connection with University events and activities on an ongoing basis."

The charter memberships of Atchley and Waddell give "a tremendous boost" to development of the Presidents Club, Lynch said. "This not only shows that

these men are willing to make a significant personal investment in Clemson," he said, "but it also shows that the Presidents Club has the full support and commitment of the administration and the Board of Trustees."

Lynch said the charter membership period for the Presidents Club is retroactive to July 1, 1983, and will extend through Dec. 31, 1985.

## Staff Commission to sponsor column in the Newsletter

The Commission on Classified Staff Affairs voted Nov. 13 to proceed with drawing up a question-and-answer column to be published on a regular basis in the University Newsletter.

The column, with a target publication date of January 1985, will consist of questions that the commission has received since its inception, along with questions addressed specifically to the column. The first column will have information on how you can submit and to whom you should address your questions.

The commission is also developing a standard form for classified staff members to use in submitting information on professional accomplishments for inclusion in the Newsletter's "Departmental Notes" section.

In the past few months the commission has received questions on a variety of topics, including cost-of-living and merit pay increases; employee promotion policies; on-campus day-care facilities for children of employees; the Wellness Program; secretaries doing "outside work" on University time; and the issue of classified staff typing, on University time, textbooks for faculty members.

Policy Committee chairman Paul Gable reported Nov. 13 that the Faculty Manual already covers the policy on classified staff typing textbooks for faculty members. He said that, according to the manual, a faculty member may consult and clear with his or her department head and dean any intent to engage in outside activities, although outside activities are not encouraged and University facilities and equipment cannot be used to further outside activities.

(Continued on page 2.)

(Continued from page 1.)

"We feel that this matter is better handled by the department head," said Gable, who asked for more time to study the ramifications of recommending a more specific policy on the issue.

As for secretaries doing outside work on University time with University facilities and equipment, Gable reported that committee members think the current policies in the Personnel Manual Section X, B.1, pages 2-3 are adequate to cover that issue.

The staff commission is studying the possibility of recommending that a statement from the State Ethics Commission more adequately addressing problems arising from employees' outside business interests and employment be added to the Personnel Manual.

Marty Koldyke said members of the Welfare Committee, which he chairs, are concerned about the role they should play in resolving individual complaints that may not fall within the realm of the commission. These are complaints, he said, involving mistreatment, harassment or abuse in which "the complainant will not file a formal grievance and refuses to be identified for fear of reprisal."

He said, however, that "the committee feels there is a considerable unmet need for assistance in such cases." The commission agreed to investigate the most appropriate way to process such complaints.

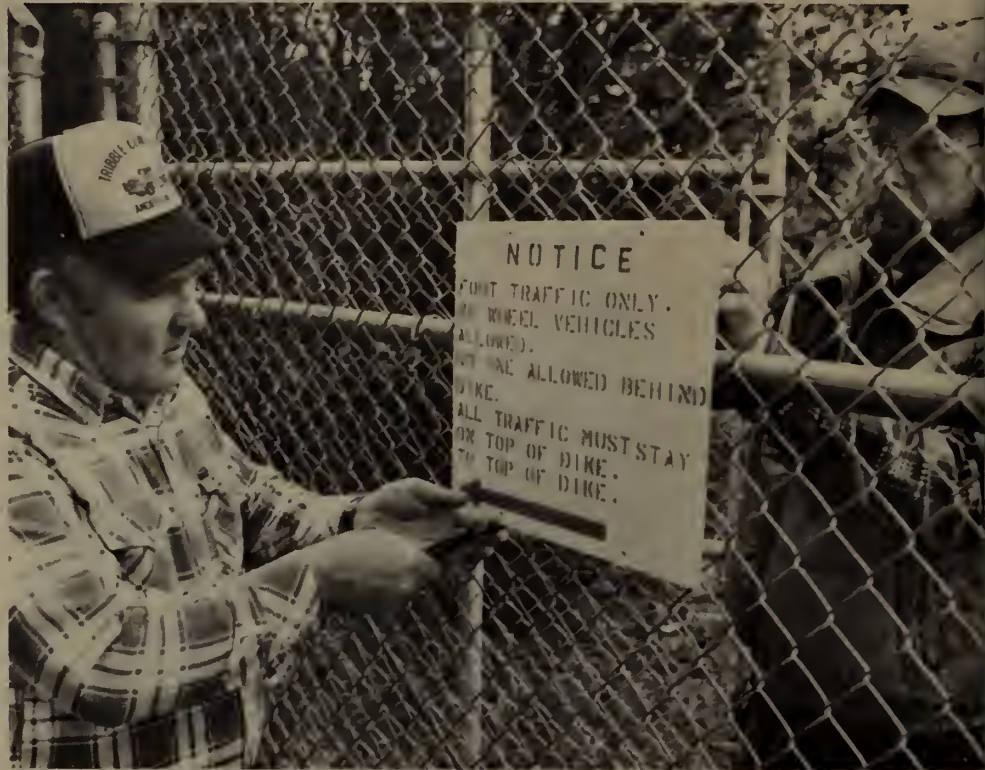
Responding to an inquiry on day-care facilities, Koldyke reported on a 1982 study ordered by President Bill Atchley and led by College of Nursing Dean Mary Lohr.

Koldyke suggested that, since there are now more young married employees and students with young children and since the previous study did not involve the academic programs that might be expected to participate in the facility (nursing, psychology, sociology, and education, for example), the commission might want to consider anew the need for such a facility.

Commission members agreed to study the initial survey to determine whether another look at day care is warranted.

## DID YOU KNOW?

Clemson's Administrative Management Trainee Program is a unique effort among state schools to increase significantly the number of black professionals in higher education administration, a goal in line with the South Carolina Desegregation Plan. Clemson has already filled six vacancies with young black professionals as a result of the program, and recruiting has begun for an additional three positions.



**This way, please --**Following the rules on the signs will help keep the dike west of the football practice fields open to runners, joggers and walkers. Physical Plant employees Bob Sanders, carpenter shop foreman, and Wendell Kay, locksmith, have put up signs provided by the intramural department to help keep you on the right path.

## Lake dike now open to runners, joggers

The Corps of Engineers has once again granted University employees and students permission to use the top of the dike located west of the football practice fields for walking, running and jogging.

About three years ago, says director of intramurals Banks McFadden, the dike was open to University runners and joggers. When it was closed for repairs, many employees missed the freedom of running across the top of the dike in their daily jaunts around campus.

Now the area is being opened up again, and McFadden is asking your help in following the rules issued by the Corps:

-- Only foot traffic is allowed on the dike.

-- No one is allowed behind the dike.

-- To get on the dike, you must enter from the East Bank Recreation Area or the north or the Clemson Water Treatment Plant on the south.

-- Traffic going south on the dike must get off by turning right to the water side of the treatment plant on a six-foot path cleared by the Physical Plant.

The Physical Plant has erected signs, says McFadden, to help keep you on the right track. "This is a privilege the Corps is extending to the University," he says. "It's a beautiful walk, and it's open purely for our enjoyment. We in the intramural department hope that everyone will help keep the area open by seeing that these rules are followed."



The Clemson University Newsletter is published for Pamela Hassan, a procurement officer in Purchasing, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barret  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

## Make your plans now to attend meetings on retirement issues

It's not too soon to mark a couple of dates on your 1985 calendar -- if you happen to be planning your retirement in the near future. The Personnel Division is offering retirement planning meetings in January and a pre-retirement seminar in March.

The retirement planning meetings are planned for Jan. 30 in the Senate Chamber of the University Union Complex for employees who will retire by July 1, 1985.

Potential retirees should attend either the 9:30 a.m. meeting or the 1:30 p.m. meeting. The same information will be provided during each session.

You should request retirement benefit estimates from Personnel as soon as possible before Jan. 10 to ensure that the estimates are ready by the meeting date, says Debbie King, personnel assistant.

### Pre-retirement seminar

For the March 6-7 pre-retirement seminar, reservations are necessary and are accepted, says King, on a first-come, first-served basis.

This seminar is offered to help you plan for your retirement years. If you are within 15 years of retirement, she says, you may want to make plans to attend the meeting. Spouses are welcome, too, but they must be registered in advance.

For more information or to make a reservation, call King in the Personnel Division at 656-2426.

## Phi Kappa Phi offers fellowship

The Clemson University chapter of Phi Kappa Phi National Honor Society is inviting applications from outstanding senior students for a \$4,500 Graduate Fellowship for first-year graduate or professional study. Each Phi Kappa Phi chapter may nominate one student for these awards.

The general criteria considered in the selection process are scholastic achievement, test scores, transcript record, honors and enrichment programs, promise of success in graduate or professional study, leadership, participation in university and community activities, experience, evaluation by instructors, and expression of study plan and career goal.

Graduating seniors with outstanding academic and leadership records should contact their department chairman or the Phi Kappa Phi Chapter secretary, Prof. Robert E. Williamson at 656-3250 for more information.



**Thanks to you --** The University has exceeded this year's United Way goal of \$20,000 in a big, united way! As of Nov. 15, says campaign chairman Stan Smith, more than 450 employees and a large number of students had contributed 124 percent of the 1984 goal. "This is another example of the tremendous Clemson spirit," says Smith. "United Way offices in the counties receiving these gifts have already expressed their appreciation for the generosity of our people. We can all be proud of our efforts this year." Recording United Way contributions of \$24,893 is painter Buddy Smith, a trades craftsman with the Physical Plant.

## Hanover observes a Colonial Christmas

In the holiday spirit of the 18th century, the Hanover House is holding Dec. 7, 5-9 p.m., its annual candlelight "Colonial Christmas" reception and tour.

You can plan to partake of Colonial period refreshments of hot mulled cider or wine, ginger snaps and sugar cookies while touring the house. This year the interior is dressed up in period decorations handmade by members of the Foothills and Fort Hill garden clubs.

The Madrigal Singers, directed by Bill Campbell, instructor of music, will add to the festive occasion with a repertoire of Christmas music.

The restoration and furnishings of the house are projects of the Spartanburg Committee of the National Society of Colonial Dames. This committee, along with the Alumni Association is sponsoring the event.

The house is open Tuesday through Saturday 10 a.m. to noon and 1-5:30 p.m. and on Sundays 1-5:30 p.m.

## WSBF-FM offers free publicity

The staff of the campus radio station, WSBF-FM, wants you to know it is happy to announce any campus or organizational events about which you would like to inform the University or the Clemson area.

Send any announcement or information you would like broadcast to: Director of Traffic and Continuity; WSBF; Box 2156; Clemson University, Clemson, S.C., 29632.

If you prefer to call, the number is 656-2279 or 656-3706. You should contact the station at least one week in advance of the time you want your announcement to air.

## New Employees

The University welcomes the following employees who joined Clemson during the months of September through November.

### Administrative Programming Services

King, Donald W., Computer Programmer III.

### Agricultural Chemical Services

Lippert, Robert M., Lab Director Lecturer.

Meade, Mary B., Agricultural Science Assistant II.

### Agricultural Economics and Rural Sociology

Carpenter, R. Richard, Jr., Science Program I.

### Animal Science

Hupp, Harold D., Associate Professor.  
Simpson, Allen F., Agriculture Science Assistant II.

### Athletic Department

Wilson, Gavin R., Trainer.

### Biological Sciences

Abramovitch, Dorota A., Research Associate.

### Chemistry and Geology

Cooper, Melanie M., Visiting Instructor of Chemistry.  
Mounter, Judith E., Administrative Specialist B.

### Coastal Experiment Station

Skvarla, Paul M., Agricultural Aide II.

### Commerce and Industry, Office of the Dean

O'Brien, Margaret E., Clerical Specialist C.

### Computer Center

Karakaya, Ferayi, Computer Programmer II.

### Continuing Education Center

Jefferson, Jackie L., Clerical Specialist B.

### Counseling Center

Bush, Vickie E., Student Counselor.

### Custodial Services

Bearden, David, Custodial Worker I.  
Crawford, Dorothy R., Custodial Worker I.  
Hanks, Eva B., Custodial Worker I.  
Herron, Edna S., Custodial Worker I.  
Wardlaw, Yasue, Custodial Worker I.

### Dairy Science

Driver, Lynn M., Clerical Specialist C.

### Development

Saffan, Stella F., Clerical Specialist C.

### Duplicating Services Center

DePalma, Frederick, Printing Equipment Operator.

Dickson, Vicki P., Photocopy Specialist.

### Edisto Station

Blue, Linda G., Agricultural Science Associate I.

### Electrical and Computer Engineering

Arora, Rajendra K., Visiting Professor.  
Sefick, Stephen A., Visiting Instructor.

### Entomology

Adler, Peter H., Assistant Professor of Entomology.

### Extension Service

Bagwell, Cynthia K., Clerical Specialist C, Home Economics.

Bennett, Faye D., Clerical Specialist C.

Boneparte, Tresia J., Program Assistant, Home Economics.

Carpenter, Deborah R., Program Assistant.

Fisher, Hazel W., Administrative Specialist A.

Green, Eileen R., Program Assistant.

Hudson, Edward M., Community Program Specialist.

Griffin, Laverne S., Program Assistant, Home Economics.

Hackett, Cassandra A., Program Assistant, Home Economics.

Manuel, Betty S., Clerical Specialist C.

Miller, Carrie W., Program Assistant, Home Economics.

Nettles, Mark W., Agricultural Science Assistant.

Fisher, Hazel W., Administrative Specialist A.

### Fertilizer Inspection and Analysis

Atkinson, Ebbie J., Fertilizer Inspector.

Crowder, James W. III, Fertilizer Inspector.

### Forestry

Bailey, Jo Anne., Agricultural Science Associate I.

Robinson, Vernon L., Associate Professor of Forestry.

### 4-H Club Work

Williams, Betty W., Volunteer Coordinator 4-H Program.

### Information Systems Development

Lesley, Patricia A., Program Analyst

### Languages

Sixto E. Torres, Assistant Professor Spanish.

### Library

Whaley, Olga R., Library Technician Assistant II.

### Mathematical Sciences

Johnson, Charles R., Professor.

### Personnel

Byrd, Christopher D., Personnel Assistant.

Holliday, Frances M., Clerical Specialist C.

### Physics and Astronomy

Blake, Rebecca M., Word Processing Operator.

Hammond, Richard, Visiting Assistant Professor.

### Poultry Science

Davenport, Karen M., Agriculture Science Assistant II.

Nichols, Elmer L., Associate Professor.

### Professional Development

Stuntz, Edmund C., Continuing Education Coordinator.

### Security and Traffic Office

McGuffin, Robert S., Public Safety Officer.

### Service and Support Facility

Carroll, Robert E., Procurement Officer II.

### Student Health Center

Paulling, Dale R., Clerical Specialist B.

### Student Life

Wright, Patricia H., Administrative Specialist A.

### Textiles

Smith, Theresa L., Clerical Specialist C.

Thomas, Marion E., Jr., Laboratory Equipment Specialist I.

### University Relations

Fowler, Lisa M., Word Processing Operator.

Hutto, Mary P., Public Information Specialist I.

### Utilities

Grogan, Gregory K., Trades Helper.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

Dec. 7-14

## MEETINGS, SEMINARS AND CONFERENCES

December

-31

M T W T F S

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3 4 5 6 7 8

10 11 12 13 14 15

17 18 19 20 21 22

24 25 26 27 28 29

31

- 7 Meeting: Linkup -- an organization for all users and potential users of computers. Sponsored by College of Agriculture, Room D-135, P&A Building, 2 p.m. Call 656-3102 or 656-2396 for more information.
- 7 Seminar: "The Interaction of Stress Hormones, ACTH, Catecholamines and Glucocorticoids" by Dr. Julius Axelrod, Nobel Laureate in Physiology and Medicine, National Institute of Mental Health. Sponsored by animal science department, Lee Hall Auditorium, 3:30 p.m.
- 10-11 Conference: The S.C.-Georgia Winter Apple Meeting. Sponsored by S.C. Apple Growers' Association, Georgia Marketing Authority and S.C. and Georgia Cooperative Extension Services, Clemson Ramada Inn. Preregistration required. Open to public. Call 656-3403 for more information.
- 12 Meeting: Women in Higher Education Networking with speaker Dr. Judith Haislett, director of the Counseling and Career Planning Center, Holiday Inn, noon, \$6. Call 656-2426 for more information.
- 12-13 Conference: 11th Annual Dairy Conference. Sponsored by dairy science department and Extension Service, Ramada Inn, Clemson. Open to public. Call 656-3231 for more information.

## OTHER EVENTS

- 7 Colonial Christmas at Hanover House, featuring the Madrigal Singers. Open to public, free, 5-9 p.m. The house is open daily Tuesday-Saturday, 10 a.m.-noon and 1-5:30 p.m., and Sunday, 1-6 p.m. Call 656-4789 for more information.
- 8 Graduate Record Exam. Sponsored by Counseling and Career Planning Center, 8 a.m.-5 p.m. Call 656-2451 for more information.
- 8 Wrestling: Tennessee-Chattanooga, here, 7 p.m.
- 8 Basketball: Augusta College, men, here, 5 p.m.
- 8 Basketball: Tennessee Tech, women, here.
- 9 Film: "Willy Wonka and the Chocolate Factory." Sponsored by University Union, Y-Theater, 8 p.m., free. Call 656-2461 for more information.
- 10-15 Examinations.
- Continuous Pre-natal exercise class. Sponsored by YMCA, YMCA Center, Mondays and Wednesdays, 6:30-7:30 p.m. Call 654-2361 for more information.
- Continuous Women's fitness classes for all levels. Sponsored by YMCA Center, Mondays, Wednesdays and Fridays, 9-10 a.m. (babysitting service available) and 10:15-11:15; or on Tuesdays and Thursdays, 4:45-5:45 p.m. and 6:30-7:30 p.m. Call 654-2361 for more information.
- Continuous Aerobic dancin'. Sponsored by YMCA Center. Call 654-2361 for more information.
- Continuous Round dancing. Sponsored by YMCA, YMCA Center, Tuesday evenings, 8-10 p.m. Call 654-2361 for more information.

# of Events

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# Newsletter

December 12, 1984  
Vol 24, No 15

DEC 12 1984

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Committee wants your ideas on East Campus service center

President Bill Atchley has appointed a 13-member committee to study student service needs on East Campus and to determine the type of facility that can best meet those needs.

In naming committee members, Atchley said, "Your work will not only determine the type of facility or facilities needed, but will also aid in refining the framework for future East Campus development."

The committee chairman, Assistant Vice President for Student Affairs Nick Lomax, says the purpose of such a facility would be "to fill the activities and services void" on East Campus.

"We now have more than 3,000 students in the East Campus area," he says, "with most of the service and activities programs on West Campus. The committee's charge is to recommend the type of facility that would be desirable to fill the needs of students, faculty and staff in the East Campus area."

The committee is presently considering a complex that would offer both inside and outside activities and services.

Current proposals for the indoors facility include a post office, convenience store, canteen, bookstore annex, gymnasium (with two basketball courts), swimming pool, weight room (with spa), video and games room, electronic banking machines, and multi-purpose meeting rooms (perhaps with theater capabilities).

The proposed outside activities area would have softball, football and soccer fields; basketball, handball, tennis and table play courts; and jogging tracks.

While a site for the center has not yet been determined, the committee is considering a location along McMillan Road.

The committee would like to hear your thoughts and suggestions on the center. Members and their telephone numbers are:

- Almeda Boettner, director of housing, 656-2295;
- Jerry Boyer, superintendent of planning and engineering, 656-2186;

- John Cureton, bookstore manager, 656-2050;
- Beth Emerson, student, 654-8464;
- Robin Gilbert, student, 656-6311;
- Nick Lomax, assistant vice president for student affairs, 656-2447;
- Banks McFadden, director of intramurals, 656-2116;
- Bill McLellan Jr., director of athletics, 656-2101;
- John Newton, assistant vice president, business services, 656-2441;
- Chris Sieverdes, an associate professor of sociology, 656-3238;
- Joy Smith, dean of student life, 656-2153;
- Buford Trent, director of the University Union, 656-2461;
- Mark Wright, campus master planner, 656-2010.

## Historic Fort Hill receives endowment

The Clemson University Foundation has established an endowment for historic Fort Hill, the stately mansion that

was home to U.S. vice president John C. Calhoun and University founder Thomas Green Clemson.

The Fort Hill Endowment, also a project of the United Daughters of the Confederacy and the University, was announced Nov. 14 at a program launching the fund-raiser.

"Fort Hill is both a state and a national treasure and one of the most historic sites in America," says John Allen, director of the University's Visitor Programs.

"Given today's economic realities, we simply must have greater private support if we are to preserve and maintain these places that are part of our national heritage for future generations."

Investment income from the endowment will be used for preservation, restoration and programs for Fort Hill, which sits in the middle of the campus.

Fort Hill is operated by the University and the South Carolina chapter of the United Daughters of the Confederacy. The UDC, led by the local John C. Calhoun chapter, has spearheaded the restoration and furnishing of the house since 1928.

A National Historic Landmark, Fort Hill has become a regional tourist attraction.

(Continued on page 2.)



**Southern Exposure** -- New exhibitions go up monthly in the College of Architecture's Lee Gallery. Tom Dimond, an assistant professor of visual studies and gallery director, displays the recent showing "Southern Exposure," which featured 49 southeastern artists. The work on the right by Spartanburg artist Jane Nodine received a Southeast Women's Caucus for Art cash award. You may see the next exhibition Jan. 10-31. Gallery hours are 9 a.m.-4:30 p.m. weekdays and 2-5 p.m. Sundays.

## Faculty/staff meeting

Members of the faculty and staff will meet in general session Dec. 19 at 10 a.m. in Tillman Hall Auditorium.

(Continued from page 1.)

traction visited by thousands of people each year.

Calhoun lived in the house from 1825 until his death in 1850, and Thomas Green Clemson, Calhoun's son-in-law, lived there from 1872 until he died in 1888.

The house is furnished with original heirlooms and memorabilia belonging to the Calhoun and Clemson families. The site is open year-round except on Mondays and selected holidays.

## January deadline set for DOE applications

Faculty members who would like to be considered for summer research appointments with the U.S. Department of Energy should note the Jan. 21 application deadline.

The DOE summer Faculty Research Participation Program provides support for collaborative participation in ongoing energy research and development at designated DOE facilities. The stipend for the appointment will be based on your salary.

Summer appointments are also available for graduate and undergraduate students in science and engineering.

To request application materials or for more information, write to the University Programs Division, Oak Ridge Associated Universities, P.O. Box 117, Oak Ridge, Tenn., 37831-0117, or call the association at (615) 576-3255.

## Nut Hut wants to help you have a merry Christmas

The merry Christmas elves at the University Union's Nut Hut are busily wrapping gifts and surprises for you to consider adding to your holiday shopping list this year.

Offerings include a basket filled with snacks and with Christmas ornaments for your tree; a ribbon-wrapped boot filled with cherry gourmet jellybeans; Christmas trees full of chocolate-covered raisins; and "Tiger Claus" mailing labels for your holiday packages.

If you miss the elves, who will be carrying catalogues around to campus offices to take orders, you can call them at 656-2461.

# Clemson chosen as host site for national math conference

A concerted effort to build a reputation in discrete mathematics has paid off doubly for the math department here and, in turn, for the University.

The Society for Industrial and Applied Mathematics, the only national mathematics organization geared toward applications for the workplace, has chosen Clemson to host the organization's third national conference on discrete mathematics.

And math department head Rich Ringeisen will help organize the society's new activity group dedicated to fostering research in the field.

"Discrete mathematics deals with things that have different but related steps or structures," says Ringeisen, who will serve as co-chairman of the national conference.

"It is used in computer design, electrical circuits, signal processing and decoding, production scheduling, and traffic phasing. This is one of the fastest-growing branches of modern mathematics, due, in part, to the growth of computer science."

The activity group Ringeisen will help develop is "a major step forward," he says. "This is the first nationwide effort specifically geared toward discrete mathematics."

One of the group's first duties will be to organize the national conference, which will be held here in May of 1986. Previous programs have been at Rensselaer Polytechnical Institute and the Massachusetts Institute of Technology.

It is no accident that the conference is heading south, Ringeisen says. Through a state program funded by a National Science Foundation-EPSCOR grant, Clemson has been polishing its reputation in discrete mathematics with faculty development and special programs.

"Our department has 15 people who specialize in discrete mathematics, which is one of the largest groups at a single university in the United States,"

he says. "And we've been bringing some of the most well-known discrete mathematicians in the world -- such as Ronald Graham of Bell Laboratories and Fred Roberts, one of the major authorities on the subject -- to speak on campus."

The conference is expected to draw more than 300 of the world's top discrete mathematicians.

## Here's how to select fresh Christmas tree

When you're picking out a fresh Christmas tree, bend and bump it a little, says Jack Cody, a forester with the Extension Service.

First, says Cody, bend a few needles. If the tree is fresh, the needles should return to their original shape.

Then bump the tree against the ground to make sure the needles aren't dropping off.

"Next feel the cut on the bottom of the tree trunk. A fresh cut will be sticky," he says. "If the cut is hard and dry, the tree has been cut too long."

Before putting the tree in a stand, cut an inch or two off the bottom of the trunk so it can draw water up into the tree. Always keep plenty of fresh water around the tree trunk so it won't become a fire hazard in the home.

"A fresh tree can drink a gallon of water per day for the first few days," he said.

## DID YOU KNOW?

Clemson's graduate program in environmental systems engineering is one of the largest and best-known programs of its kind in the country. It consistently produces approximately 5 percent of all U.S. master's and doctoral degrees awarded in environmental systems each year.



The Clemson University Newsletter is published for Verne Robinson, an associate professor of forest economics, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenney  
Assistant Editor \_\_\_\_\_ Joyce D. Barlett  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



DEC 12 1984

Please Post



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

### Dec. 14-21

## December

### -31

- 15 Basketball: Middle Tennessee, men, here, 5 p.m.
- 19 Faculty/staff meeting, Tillman Hall Auditorium, 10 a.m.
- 20 Graduation.
- 21 University housing closes, 8 a.m.

M	T	W	T	F	S
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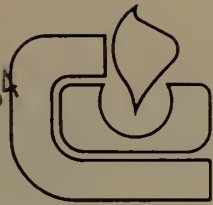
# EVANGELISTS

THE HISTORY OF THE  
EVANGELISTS

The history of the evangelists is a subject of great interest and importance. It is a subject which has attracted the attention of many of the most eminent writers of the Christian era. The history of the evangelists is a subject which has attracted the attention of many of the most eminent writers of the Christian era. The history of the evangelists is a subject which has attracted the attention of many of the most eminent writers of the Christian era.

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DEC 19 1984



# Newsletter

Dec. 19, 1984  
Vol 24 No 16

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY



**CLEMSON**  
UNIVERSITY

## PRESIDENT

Dear Colleagues,

As we complete the year's activities and prepare for a few days of holiday celebration with friends and families, may we also pause in our busy schedules for a few moments of reflection on the joyful tradition the Christmas season provides us. That tradition is one of giving and of receiving, a tradition that continues to be abundantly manifested in the spirit of the Clemson family.

You give to Clemson all year round -- you give your cooperation, your positive attitudes, your dedication to your jobs, your willingness to go the extra mile so that this institution can fulfill its mission to the people of South Carolina. And, in return, I hope you receive a sense of how important those gifts are and how much they are appreciated -- whether the task at hand is typing up the annual report, cleaning windows or lighting the candle of inspiration in the classroom.

If I could wish for you this season just one special gift, it would be the gift of wonder. Those who possess this gift greet each day, each task, each colleague, with an open mind and a readiness to see the world anew. And is that not, after all, what the Christmas tradition asks of us -- to see the newness, the freshness, the wonder all around?

While Pat and I join in holiday celebrations with our family and friends, we will cherish the Clemson tradition caring and giving that we see reflected in our colleagues here day after day throughout the year.

We wish for you a safe holiday filled with joy and peace and with many opportunities to exercise your sense of wonder.

Sincerely,

Bill Atchley



**Community spirit** --Citizens of the city of Clemson again this year joined University employees for tree-lighting ceremonies on Bowman Field. The Daniel High School Band and the R.C. Edwards Junior High School Chorus provided music for the festivities. The event is sponsored each year by the University and the Clemson Area Chamber of Commerce.

## Departmental Notes

Announcements of professional accomplishments of faculty and staff members appear in the last Newsletter of each month.

### ARCHITECTURE LIBRARY

L.E. Abrams (Hd) planned and coordinated the 10th annual meeting of the Art Libraries Society Southeast Chapter in Charleston, S.C., Nov. 2-4. She currently chairs that chapter.

Abrams has been appointed to the Intellectual Freedom Committee of the S.C. Library Association.

Abrams published a book, **History and Practice of Japanese Printmaking: A Selectively Annotated Bibliography of English Language Materials**, Greenwood Press (1984).

### CHEMISTRY AND GEOLOGY

R.A. Abramovitch (Prof) presented an invited lecture, "Enium Ions: Generation and Synthetic Applications," at the University of Pittsburgh, Nov. 8.

K. Dill (Assoc Prof) gave a lecture on "13 C NMR Studies of Red Membrane Glycoproteins" at a Nuclear Magnetic Resonance Symposium at the University of South Carolina, Nov. 2-3.

Prof. Dill gave a lecture on "13C NMR Studies of Glycoproteins in Human Erythrocytes" at Davidson College, Nov. 9.

Prof. Dill gave a lecture on "13C-Labeling Studies of the Erythrocyte Transmembrane Glycoprotein, Glycophorin A" at Old Dominion University, Norfolk, Va., Nov. 5.

The following papers were presented at the Southeastern regional meeting of the American Chemical Society in Raleigh, N.C., Oct. 24-26:

-- "A Formal Synthesis of (+)-Ibogamine," by J.W. Huffman (Prof), written with R.C. Desai, (Form Rsrch Assoc and Asst Prof); P.C. Raveendranath (Grad Stu), G.S. Sunduram (Form Rsrch Assoc) and R. Sawdaye (Form Rsrch Assoc).

-- "Application of Molecular Mechanics to Conformational Problems in Hydronaphthalenes," by W.H. Balke (Grad Stu) written with Prof. Huffman.

Prof. Huffman also chaired a session at that meeting.

A.R. Pinder (Calhoun Prof) presented a seminar, "Some Recent Studies in Alkaloid Synthesis," at Middle Tennessee State University, Murfreesboro, Nov. 15.

### CIVIL ENGINEERING

S.C. Anand (Prof) attended a meeting of the control group of the Committee on Method of Analysis of the Structural Division at the ASCE fall convention in San Francisco, Calif.,

(Continued on page 3.)



**Staying prepared** -- Preparation for emergency calls and education in the prevention of fires require about 90 percent of a firefighter's time, says the University's new fire chief, Jack Abraham. The chief, who joined the department in mid-November, says his main goal is to work to ensure that the firefighters have all the resources they need to do their jobs well.

## Fire chief hopes to reduce number of false alarms

The University has a new fire chief, Jack Abraham, who assumed his duties here in November.

Abraham says his aim during the first few months will be to develop "a base of information on which to make recommendations" for needs in the department. He is conducting a needs assessment, revamping the record-keeping system and planning some in-house training for department personnel.

The staff includes 17 full-time firefighters, six student firefighters, eight student emergency medical technicians and 10 volunteers. They respond to an average of 40 calls monthly, about half of which are false alarms, says Abraham.

Reducing that number of false alarms is another goal Abraham has set for the department. "Last Saturday night," he says, "between midnight and 4 a.m. we had six false alarms from the Uni-

versity, and we've got to do something to resolve that."

Abraham came upstate to Clemson from Burton, where he was chief of that city's fire district. He was previously assistant fire chief of the North Myrtle Beach Fire Department.

He received his bachelor's degree in business administration from Virginia Polytechnic Institute and his master's degree in management from Webster University in St. Louis, Mo.

"I'm excited about the opportunity to be associated with the University," says Abraham. "It will be a challenge to see that the firefighters have the resources they need to do their jobs well."

The fire department, located on Perimeter Road, serves both the University and the city of Clemson.



The Clemson University Newsletter is published for San Claus, better known as Director of Textiles Ed Vaughn, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barre  
Production Assistant \_\_\_\_\_ Carla Reeve

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

Continued from page 2.)

ct 2. At this meeting, he relinquished the position of publications secretary after three years of service as a member of the editorial board of the *Journal of Structural Engineering*.

J.A. McLamarrah (Vstg Instr) and T. Stauss published a paper, "Water Utility Personnel Use Microcomputer for Small System Analysis," in *Public Works* (November).

#### COMPUTER CENTER

J.C. Blalock (Sys Prog) presented a paper, "RACF Performance Considerations," at the Southern Computer Measurement Group in Charlotte, N.C., Sept. 20-21.

C.J. Duckenfield (Dir) published "Teach Out and Byte Someone" in the *House/Effect* Sept.

Duckenfield presented "Computer Security" at the Palmetto Chapter, Data Processing Management Association meeting in Greenville.

#### ELECTRICAL AND COMPUTER ENGINEERING

E.G. Baxa Jr. (Assoc Prof, Assoc Dept Hd) presented a paper, "Characterizing the Performance of Modified CAR Radar Processors in the Presence of Non-homogeneous Interference," at the 1984 International Symposium on Noise and Clutter Reduction in Radars and Imaging Sensors (Tokyo, Japan, Oct. 19-Nov 3).

W.C. Lewis Jr. (Asst Prof) presented a paper, "Machining in Micro-g," at the Lunar Bases and Space Activities of the 21st Century Conference in Washington, D.C., Oct. 28-31.

#### ENGLISH

H.B. Bryant (Assoc Prof) published "The Crux of the Collar: Phineas's Pink Shirt in John Knowle's *A Separation Peace*" in *Notes on Contemporary Literature*, 14, No. 5 (1984).

L. Idol (Prof) read "Hester and Ahur as Art Objects in *The Scarlet Letter*" at the annual meeting of the South Atlantic Modern Language Association in Atlanta, Ga., Nov. 7-10. He was elected to serve as secretary of the newly formed Southeastern Name Society.

W. Moran (Prof) had an excerpt from a book he co-authored (*Four Pets and the Emotive Imagination*, 196) reprinted in *Contemporary Literary Criticism*, 29. Ed. J.C. Stine and D.J. Marowski. Detroit: Gale Research Co., (1984) 380-82.

W. Shilstone (Assoc Prof) published "Iron, Dante, and Don Juan's Debt to English Society" in *The Communist*, 8 (1984), 43-55.

#### FIRE DEPARTMENT

P.C. Masterson (Lt) has been named "Fireman of the Year" by the Pickens County Municipal Association. He was chosen for this honor by his peers.

#### 4-H & YOUTH DEVELOPMENT

B.L. Hodges (Asst Prof) and E.H. Hoyle (Asst Prof of Home Econ) presented a workshop, "Nutritional and Health Issues of Teens," at the Southern Regional 4-H Volunteer Leader Forum, at the Rock Eagle 4-H Center in Eatonton, Ga., Oct. 3-4.

#### HISTORY

R.M. Golden (Prof) has been placed in charge of book reviews in early modern European history for *Religious Studies Review*.

C.H. Lippy (Assoc Prof) presented a public lecture, "Religious Symbolism and the American Presidency," at Mary Washington College in Fredericksburg, Va., Nov 1.

W.A. Maker (Asst Prof) delivered a paper, "Science, Values and Power," at the Interface '84 Humanities and Technology Conference in Atlanta, Ga., Oct. 26.

A. Schaffer (Prof) presented a paper, "The Odd Couple: Frankenstein and Fauntleroy," in the Children's Literature Section at the South Atlantic Modern Language Association annual meeting, Nov. 8.

#### HOUSING



Nancy Patterson of Central received the Custodian of the Month award in October. She joined the housing staff here in March.

#### INDUSTRIAL EDUCATION

D.G. Tesolowski (Assoc Prof) and G.L. Roth (Prof, Voc Ed, Idaho State Univ) published a refereed article, "Microcomputer Competencies for Vocational Teachers," in *The Computing Teacher* (Journal of the International Council for Computers in Education), Vol. 12, No. 3, (November, 1984) 64-67.

#### LANGUAGES

The following made presentations at the 34th Annual Mountain Interstate Foreign Language Conference at East Tennessee State University in Johnson City, Tenn., Oct. 4-6:

-- E.P. Arnold (Asst Prof) chaired a section, "Pedagogy II," and gave a slide presentation, "Following in Martin Luther's Steps in the German Democratic Republic";

-- D.J. Calvez (Asst Prof) presented a paper, "Analysis of Students' Work in Advanced French Composition";

-- G.J. Fernandez (Prof) chaired the Latin American II, Twentieth Century Session and presented a paper, "Cronica de una muerte anunciada, nueva forma de novelar?";

-- P.R. Heusinkveld (Asst Prof) presented a paper, "The Foreign Language Classroom: A Forum for Understanding Cultural Stereotypes";

-- S.C. King (Asst Prof) presented a paper, "Photography in Barcelona in the 20th Century";

-- J.A. McNatt (Asst Prof) presented a paper, "The Open Universe of Michel Tournier";

-- L.T. Perry (Assoc Prof) chaired a section on "Spanish Literature V: Nineteenth Century" and presented a paper, "La situacion politico-social en la prosa del XIX";

-- S.E. Torres (Asst Prof) chaired a section on "Spanish Literature XV: The Post-War Spanish Theater" and presented a paper, "La funcion del sonido y la musica en dos obras de Martin Recuerda."

Also at that meeting Prof. Fernandez was re-elected secretary-treasurer of the conference for the quinquennium of 1984-89, and Prof. King served on the executive committee.

Prof. Arnold was elected secretary of the Greenville Area Teachers of Foreign Languages.

Prof. Fernandez reviewed Walter Rela *15 cuentos para una antologia in Hispania*, Vol. 67 (September, 1984) 482.

J.B. Macy (Asst Prof) published "Le Concours Oral de Clemson" in the American Association of Teachers of French *National Bulletin* (November, 1984).

#### LIBRARY

M.A. Armistead (Assoc Libn) published "'Childe Roland' and Two Other Poems by Browning," in *The Victorian Newsletter*, (Fall 1984), 22-24.

M.F. Kohl (Assoc Libn) received a \$49,960 two-year grant from the National Historical Publications and Records Commission to establish a University archives and records management program.

#### LIVESTOCK-POULTRY HEALTH

T.H. Eleazer (Vet Path) has been appointed by the governor to the Wildlife & Freshwater Fisheries Advisory Board.

(Continued on page 4.)

(Continued from page 3.)

#### MANAGEMENT

A.F. Czajkowski (Assoc Prof) has been asked to serve as a referee for the IEEE TRANSACTIONS ON RELIABILITY.

M.J. Stahl (Prof & Hd), L.L. LaForge (Prof) and A.M. Harrell (USC) presented a paper, "A Decision Modeling Examination of the Function Relating Expectancy and Motivational Force," at the National American Institute for Decision Sciences in Toronto, Canada, Nov. 6. The paper was published in the *Proceedings*.

#### Correction

In the Dec. 5 Newsletter, a "Did You Know" item incorrectly stated that the Administrative Management Trainee Program is recruiting for three positions. Those positions have been filled. The Newsletter staff regrets any inconvenience caused by this error.

#### MARKETING

R.M. Reese (Assoc Prof) and M.C. LaForge (Asst Prof) presented a paper, "An Empirical Investigation of Attitudes of the Elderly Toward Health Care Delivery," at the national meeting of the American Institute for Decision Sciences in Toronto, Canada, Nov. 5-8. The paper is published in the group's refereed *Proceedings*.

#### MATHEMATICAL SCIENCES

P.M. Dearing (Assoc Prof) and R.A. Henderson (Form Grad Stu) published "Assigning Looms in a Textile Weaving Operation With Changeover Limitations" in *Production and Inventory Management*, Vol. 25, No. 3, (1984).

R.C. Laskar (Prof) and A.P. Sprague (Prof, Ohio State Univ) published an article, "A Characterization of Partial Geometric Lattices of Rank 4" in *Enumeration and Design*, Academic Press (1984).

J.R. Nedelman (Asst Prof) reviewed the book *Mathematical Methods of Population Biology* by F.C. Hoppensteadt in *Mathematical Biosciences* (November).

#### MECHANICAL ENGINEERING

J.E. Jackson (Assoc Prof) and M.A. Jamnia (Grad Asst) presented "Implicit vs. Explicit Numerical Time Integration for Nonlinear FSI" at the *ASME 1984 Pressure Vessels and Piping Conference*, in San Antonio, Texas, in June.

J.A. Liburdy (Assoc Prof) presented a paper, "Effect of Curvature on the Turbulence of a Two-Dimensional Jet," at the Ninth Biennial Symposium on

Turbulence at the University of Missouri-Rolla. The paper was written with J.R. Pelfrey (E.I. duPont Savannah River Lab).

B.K. Pearce (Form Assoc Prof), M.W. Dixon (Prof) and Prof. Jackson published "Vibration Isolation of Cable Tray Hangers" in *Proceedings of the ASCE Structural Engineering in Nuclear Facilities Conference*, Raleigh, N.C., (September).

#### NURSING

The following presented programs at the Nursing Research as a Diagnostic Approach in Nursing Education, Administration, and Practice conference in Dallas, Texas, Nov. 9-10:

M.J. Dick (Asst Prof) presented "Burnout in Nurse Faculty: Its Relationship With Collegial Support, Management Behavior, and Faculty Workload in Collegiate Nursing Programs";

S. Oldaker (Asst Prof) presented "Nursing Diagnosis Among Healthy Adolescents."

#### PHYSICS AND ASTRONOMY

A.L. Laskar (Prof) is co-editor of a book *Diffusion in Solids* published by Trans Tech Publications, Switzerland. He also contributed an article, "Diffusion and Defects in Silver Halides," to the book.

J.R. Ray (Prof) has been awarded a \$10,000 Cottrell Research Grant by the Research Corporation to support his research "Structural Phase Transformations in Solids Using the Molecular Dynamics Computer Simulation Method."

Prof. Ray published a paper, "Correct Boltzman Counting," in the *European Journal of Physics*, (1984) 219-224.

P.J. Flower (Assoc Prof) chaired a session at the Southeastern Section Meeting of the American Physical Society in Memphis, Tenn. The following papers (which accounted for more than 20 percent of contributions) were presented:

-- "Proper Normalization and Solitary Wave Exchange Potentials" by M. Sebhathu (Form Grad Stu) and P.B. Burt (Prof & Hd);

-- "Evaluating the Coefficient of Friction for a Cylinder" by P.B. Chilson (Undergrad) and R.L. Chaplin (Prof);

-- "Stress Dependence of CDW Transitions in Monoclinic TaSe 3 " by M.A. Clark (Grad Stu) and M.J. Skove (Alumni Prof);

-- "Opportunities for Research at ORNL's National Low Temperature Neutron Irradiation Facility (NLTNIF)" by R.R. Coltman (Adj Prof), C.E. Klambunde, and F.W. Young Jr. (Oak Ridge

Natnl Lab);

-- "The Least Square Fit Method for Calculation of Phase Shifts" by Sebhathu and W.E. Gettys (Prof);

-- "Double Chain Ising Model" by T.J. Pickett (Grad Stu), M.D. Kluge (Grad Stu) and H.W. Graben (Prof);

-- "Kinematics of General Winding Processes" by J.P. McKelvey (Prof);

-- "Calculation of Free Energy Differences Between Polytypes" by M.C. Moody (Grad Stu) and Prof. Ray;

-- "Stress Induced Electron Transition in Monoclinic TaSe 3 " by T.M. Tritt (Grad Stu), E.P. Stillwell (Prof) and Prof. Skove;

-- "Low Temperature Stress Dependence of the Resistance in NbSe 3 " by Tritt, Prof. Stillwell and Prof. Skove.

#### POLICE DEPARTMENT

B.M. Lee (Pub Saf Off) has been named "Police Officer of the Year" by the Pickens County Municipal Association. He was chosen for this honor by his peers.

Staff members, along with representatives from Housing and Student Life presented a program, "Acquaintance Rape on Campus," and a film, "Not Only Strangers," at a Student Affairs luncheon. The film, along with a speaker on the subject, will be available through the Police Department in 1985.

#### PUBLIC SAFETY

J.C. Brummitt (Act Dir) coordinated and assisted the presentation of a Computer Theft Prevention Program with Triad Business Equipment Security here Nov. 28. Security devices were displayed which are designed to protect micro computers, memory writers printers, and composing typewriters, as well as a device to provide computer information access control. More than 80 representatives from area public schools and departments within the University attended.

#### SOCIOLOGY

B.J. Vander Mey (Asst Prof) published an article, "Adult-Child Incest: A Sample of Substantiated Cases," in *Family Relations*, Vol. 33 (October), 549-557.

#### STUDENT LIFE

T.P. Evans (Asst Dean) has been elected southeast regional representative for the Association of Fraternity Advisors and will serve on the association's national board of directors.

K.A. Brague (Assoc Dean) has been chosen to serve on the planning committee for the third S.C. Conference on Alcohol and Drug Problems on the College Campus.



# Newsletter

January 9, 1985

1985  
24 No 17

JAN 11 1985

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Nominations due in January for Staff Commission members

Nominations are due by the end of January for certain seats on the Classified Staff Commission. Those nominations, to be made by classified staff members, will be forwarded to President Bill Atchley, who will make the appointments.

Nominations this year, said commission chair Jane Kidd, are to be made for the three seats held by members who were appointed to serve one-year terms on the commission (in order to develop a staggered-term system for commission members. A full term is three years.) The members currently serving in these positions, said Kidd, may be re-nominated.

Nominations, she said, should be made from the following areas:

-- the College of Agricultural Sciences, off-campus, (Emma Barber is currently serving);

-- the combined colleges of Architecture, Commerce and Industry, Nursing, Sciences and the Library, (Pat Durham is currently serving);

-- the Division of Business and Finance, non-Physical Plant employee, (Gary McCombs is currently serving).

Ballots should be sent to the Personnel Division, where they will be compiled and forwarded to the president. The nominating ballot is on page 8 of this issue.)

The commission, at its Dec. 11 meeting, voted to ask the President's Council for a new study on the "need, feasibility and desirability of establishing a university child-care program."

The action was prompted when the commission's Welfare Committee, at the request of several University employees, studied the results of a 1982

survey conducted by a special study committee appointed by President Bill Atchley to explore the day-care idea.

The commission also approved a standardized form on which classified employees may submit items for inclusion in the Departmental Notes section of the Newsletter.

According to guidelines the commission has developed, items submitted for this section should "be of interest and pertaining to work at the University: professional development meetings attended, honors received, speeches given, offices in professional associations, etc."

Forms will be distributed in offices and departments throughout the University.

To submit an item, send the completed form -- which must include the employee's name and title and a description of his or her activity (including place and date) -- to: Classified Staff, P.O. Box 2121, University Station.

After screening by the commission's Executive Committee, items will be forwarded to the Newsletter for publication.

With the beginning of its question-and-answer column in a January Newsletter, the commission invites classified employees to submit questions on issues of University-wide interest. Those questions should also be mailed to the above address.

### Presidential Ball tickets available

The University Club now has tickets available for the fourth annual Presi-

dential Ball, to be held Jan. 25, 9 p.m.-1 a.m., in the lobby of Fike Field House.

For more information or to reserve your tickets, which are \$10 per person, call the Alumni Center at 656-2345. The annual event is sponsored by the University Club.

Jim Sheriff, a professor of accountancy, is president of the club.

## Jim Donovan to head Development Office

Vice President for Institutional Advancement Don Elam has announced the appointment of James A. Donovan, a fund-raising executive at the University of Central Florida, as associate vice president for development here.

Donovan assumed his new post this month, becoming responsible for all Clemson academic fund-raising programs.

He was executive director and director of development with the University of Central Florida Foundation Inc. in Orlando, Fla. He took that job in 1980 and established UCF's first private fund-raising program for academics, which has gained private support for four \$1 million endowed chairs.

Under Donovan's leadership, the UCF foundation's total assets have grown from \$1.2 million to \$4.6 million, annual alumni giving at UCF has jumped from \$27,900 to \$270,300, and alumni participation in the school's annual fund has increased more than fourfold -- from 890 to 3,677.

Before joining UCF, Donovan spent two years as associate director of development and director of alumni affairs with East Tennessee State University in Johnson City, Tenn., and a year as director of development with Tusculum College in Greeneville, Tenn.

From 1975 until 1977, he directed fund-raising and management programs for the United Negro College Fund, serving first in central Pennsylvania and Delaware and then moving from Philadelphia to New Orleans to set up a three-state regional office for Arkansas, Louisiana and Mississippi.

After graduating in 1972 from Wadhams Hall Seminary College in Ogdens-

(Continued on page 2.)

# LUIS is coming

Continued from page 1.



Donovan

burg, N.Y., with a bachelor's degree in philosophy, Donovan began his professional fund-raising career by serving two years as United Way campaign director in his hometown of Utica, N.Y. He directed two \$1 million drives on behalf of 31 member agencies.

"Jim Donovan is going to be a tremendous addition to our staff," Elam said. "He's got an exciting track record, a diverse background, and a lot of vitality and enthusiasm. I think he's just the right person to lead our already excellent development staff."

Donovan helped organize and was founding president of the Central Florida Chapter of the National Society of Fund-Raising Executives. He has been a member of Leadership Orlando and Leadership Florida -- groups sponsored by the Chamber of Commerce to recognize promising young city and state leaders -- and has been a consultant to organizations ranging from the Orange County Civic Center in Florida to the Georgia Council on Vocational Education and Junior Achievement.

He has published numerous articles on fund raising in "CASE Currents," "Fund Raising Management," and University alumni magazines and has participated in several fund-raising seminars.

Donovan, 36, is a eucharistic minister and former parish council member at Sts. Peter and Paul Catholic Church in Goldenrod, Fla. He and his wife, Janet, have two daughters.

"I've accepted the Clemson position," Donovan said, "because I see it as an opportunity to be a part of something very historic -- the 100th anniversary of Clemson University and the capital

## Correction

Rich Ringeisen, a professor of mathematics, is not head of the math department, as reported in the Dec. 12 Newsletter. He is the associate head. The Newsletter staff regrets the error.

fund-raising drive that will accompany it.

"Plus, this is a logical career move for me. Clemson is a major public university, and I'll have the opportunity to work with a professional of the caliber of Don Elam, who I think is one of the best in the institutional advancement field in the nation.

"And, a third reason is that on our visits to Clemson my wife and I have been just overwhelmed by the friendliness of the staff and the people of the community. It's obvious that people there have a high regard for Clemson and a lot of pride in the institution.

"That's a good environment to work in, and it makes raising money a lot easier."

## Degrees awarded Ferguson, Kinard

James L. Ferguson, chairman and chief executive of General Foods Corp., and Clemson alumnus William Kinard were awarded Doctors of Laws degrees Dec. 20 in winter commencement exercises at Littlejohn Coliseum.

More than 700 students received their diplomas in the 11 a.m. ceremonies.

Ferguson, a native of Evanston, Ill., has been with General Foods since 1963, becoming chief executive 10 years later. A graduate of Hamilton College and the Harvard University Graduate School of Business Administration, he moved up the corporate ladder quickly and within five years became a corporate vice president.

He was elected executive vice president of four of the corporation's divisions in 1972, and became president, chief operating officer and a director of the company seven months later. He became chief executive in 1973, assuming the office of chairman and president in 1974 -- a combined position that he held until a new president was elected in 1977.

Kinard began a career with the National Aeronautics and Space Administration in 1955, a year after graduating here with a bachelor's degree in me-

chanical engineering.

At the Langley Research Center in Hampton, Va., Kinard is chief scientist on the NASA research project known as the Long Duration Exposure Facility -- a 12-sided, 11-ton rack now circling the earth carrying the experiments of 200 investigators. It was placed into orbit by the space shuttle in April and will be retrieved in February.

Kinard has received NASA's Medal for Exceptional Scientific Achievement and Public Service and Achievement awards and the Langley Research Center Special Achievement Award for his studies of meteoroids during space flight.

## Reference staff seeks librarians

Reference librarians are hard to find these days, and no one should know better than the staff of the Cooper Library. For the second time this year the library is extending a national search for two reference librarians, a search that started last spring.

Reference librarians for life sciences and for engineering are needed, says Rich Meyer, associate director. An advanced subject degree or experience in the subject field is required for these specialists, he says.

Also needed is a local reference librarian to fill a temporary position during the spring semester. This person will assist with providing reference service and library instruction until the permanent, specialized positions can be filled.

"Although there is a pool of candidates for general librarian positions," says Meyer, "there are very few candidates who meet the qualifications for specialized library positions."

"In analyzing advertisements in the Chronicle of Higher Education and in library publications it becomes apparent that other libraries are having similar problems in filling their specialized positions."

Meyer says the library requires an MLS degree from an accredited library



The Clemson University Newsletter is published for Charles Dunn, head of the political science department, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



school for all of its faculty positions.

If you know of a qualified reference librarian who might be interested in one of these positions, please call Peggy Cover, head of the reference unit, at 656-3024.

## Clemson Players Picked for SCTA Founders Award

The S.C. Theatre Association has selected Clemson University as the recipient of the first Founders Award.

Given by SCTA to the group or individual who has contributed the most to theatre in South Carolina, the award honors the Clemson Players for their performance of "American Buffalo," one of seven college theatre productions picked from 477 nationally to appear in the American College Theatre Festival.

The Players gave two performances of the David Mamet play at the John F. Kennedy Center for the Performing Arts in Washington, D.C., last April.

"It's an extremely nice honor for our theatre program," Ray Sawyer, director of the production, said. "It was a collaborative effort, and it was especially nice to be the first recipient. We were nominated along with many other very fine groups."

The Clemson Players were formed in 1964 to foster interest in the dramatic arts. Since that time, the group has grown steadily under the direction of Sawyer, Chip Egan and Jere Hodgkin and has won several awards.

In 1982, the Players' production of "Bleacher Bums" won the American College Theatre Festival's regional title and was named national runner-up for scene design.

The Players' next production, "Equus," is scheduled for February.

## Provost releases salary report

Provost David Maxwell has released his faculty salary report for the fall semester 1984-85. The report appears on Pages 6-7 of this issue.

The report includes college-wide and university maximum, minimum, median and average salaries for male and female faculty members by rank and for librarians.

For categories with less than five members, only the numbers of members are reported. These numbers are shown in parentheses and are not included in the faculty totals. Part-time and visiting faculty members are not included in this report.



**Firefighter of the Year** — Jim Timms, named Firefighter of the Year by his colleagues, designed and made this color-coded map for the fire department. The purpose of the map, he says, is to help the firefighters reach their destination quicker.

## His map helps firefighters reach destination quicker

Can color aid in the saving of property and lives by reducing the time needed to reach the fire? University firefighters say they believe it will.

Thanks to firefighter Jim Timms, the department has replaced its old map of the Clemson area with a new color-coded map that should shorten the time it takes to reach a fire.

Timms' creation of the map is one example of the reasons he was named "Firefighter of the Year" at the department's annual Christmas dinner, says his immediate supervisor, Lt. Paul Masterson.

"The people who receive this award," says Masterson, "are chosen by their peers because of the work they do over and above what is expected of them."

Timms, for instance, last year voluntarily attended arson investigation classes of the S.C. Law Enforcement Division and arson photography classes of the S.C. Fire Academy. In addition, he took the necessary training to complete his training for "Firefighter I."

And, in the meantime, he drew up the map, subdividing it into colors to indicate the types of buildings and the locations of parks and hydrants in the Clemson area.

When the firefighters receive a call, they can quickly locate the area of a fire and the nearest hydrant by referring to the map. Once they've found the correct colored area -- such as brown for trailer parks -- the firefighters can refer to an alphabetical index of the streets to pinpoint the source of the alarm.

The new map, unlike the old one at the fire station, is being used often by the firefighters. "They use it," says Timms, "at least 90 percent of the time."

The map took about 10 days for Timms to color and another day to place hydrant markers on it. "We're still updating it," said Timms, "with all three shifts helping to keep hydrant locations correct."

Before joining the fire department in January, 1980, Timms, 29, was building inspector for the city of Clemson.

## Holiday schedule for 1985

Ten holidays remain in 1985, so mark your calendar for the following days:

- Spring break, March 14-15;
- Independence Day, July 4;
- Thanksgiving, Nov. 28-29;
- Christmas, Dec. 23-27.

## NCNB establishes new scholarships

NCNB National Bank has established two new scholarships for students in management programs here, raising to five the number of annual grants provided by NCNB for top Clemson scholars in management curricula.

One of the new \$500-a-year scholarships is earmarked for a rising senior majoring in industrial management. The second will go to a rising senior studying administrative management.

NCNB already provides three \$500 scholarships for outstanding rising seniors in financial management.

"We're doing this as a way to express our satisfaction with and interest in Clemson University," says Jim Palermo, NCNB's senior vice president in operations and chairman of the Clemson management department's Industrial Advisory Board. "It's a way for us to give something back -- through scholarships -- to the University, which has given us so many good students in recent years."

"Of the 58 schools at which we recruit," Palermo says, "Clemson is our second largest source of undergraduate hires -- coming right behind the University of North Carolina."

"We're very pleased with the successful relationship we have developed with Clemson, and we're interested in seeing that relationship grow. We want NCNB to become an even bigger part of the Clemson tradition of excellence."

NCNB is the largest banking and bank holding company in the Southeast.

"We're delighted by this increased support from NCNB, and we are deeply appreciative to the company and especially to Jim Palermo," says Michael Stahl, head of the management department.

"This further solidifies NCNB's already strong relationship with Clemson and with our students, and it is further recognition of the high quality of our programs in industrial and administrative management," Stahl says.

## Francis Marion honors Pee Dee Center director

John Pitner, director of the Pee Dee Research and Education Center for Agriculture at Florence, received an honorary Doctor of Humanities degree Dec. 18, during commencement ceremonies at Francis Marion College. He also delivered the commencement address.



**Meals Ready to Eat** — Army fare has come a long way since the days of C-rations. Sampling "MREs" (Meals Ready to Eat) as recent guests of the University's Army ROTC unit are, left to right, Dean of Graduate Studies Arnold Schwartz, Provost David Maxwell, and, in the background, engineering Dean Charles Jennett; Lt. Col. James Griffin; and agricultural sciences Associate Dean Steve Chapman. Col. Griffin invited the deans over to the military science department to present information on scholarship opportunities available in the Army ROTC program.

FMC President Thomas Stanton said, "Dr. Pitner is truly a world-class scientist. That he has chosen to specialize in agriculture is of tremendous benefit to us, and we are grateful for the many years of distinguished service that he has given to the Pee Dee."

Pitner, who joined Clemson in 1957, was instrumental in the planning and development of Pee Dee Research and Education Center. His research work has resulted in more than a half-million dollars in grants from outside sources over the last 14 years.

As the center's chief administrative officer, Pitner directs research programs for all phases of tobacco, cotton, corn, and soybean production, including plant variety improvement, irrigation requirements, plant nutrition, mechanization, and weed, insect, and disease control.

His research at the center has saved the Southeast millions of dollars by preventing losses due to insects and disease and has improved plant varieties that have increased the area's competitive edge in agriculture.

Three of Pitner's professional accomplishments have been particularly valuable to agriculture in the Southeast. In the 1950s, he initiated a multidisciplinary research approach to agricultural production and pioneered the use of herbicides for weed and grass control in cotton, corn, and soybean crops.

Pitner is also the inventor of a me-

chanical tobacco harvester and a complementary harvest production system that have brought mechanization to the small farmer.

Pitner earned his doctorate at the University of Wisconsin in 1944 and his bachelor's and master's degrees at Mississippi State University.

## Management major wins Trustees' Medal Contest

Edward Bleyntat Jr., a junior majoring in financial management, is this year's winner of the Trustees' Medal Oratorical Contest. Held in November, the annual competition recognizes the best student speaker within the University.

After advancing through the preliminary rounds of competition, Bleyntat and four other students spoke before a crowd of about 500 students and faculty members. His speech, entitled "The 'Me' Generation," won by a unanimous decision of the judges.

The panel included Louis Batson, vice chairman of the Board of Trustees; Bill Koon, head of the English department; and Martin Slann, a professor of political science. Bleyntat will receive the Trustees' Medal on Honors and Awards Day in April.

The oldest non-academic award given by the University, the medal has been presented annually for the past 79 years.

UNIVERSITY RESEARCH GRANT COMMITTEE  
Applications Funded  
November 26, 1984

The University Research Grant Committee has announced funding for 30 faculty research proposals totaling \$32,087. The total represents a decrease from last year's \$34,005 for 32 proposals. Here is a complete list of the funded proposals.

G. Wesley Burnett (PRM)	National Parks and Scientific Research in Kenya	\$ 1,500	Elizabeth W. Riggs (Nursing)	Use of Several Nursing Screening Tools to Predict Pregnancy Outcome	\$ 1,350
Stanford R. Spurlin (Chemistry)	Development of a Real Time Monitor for the Simultaneous Determination of Hydrogen Sulfide and Nitric Oxide	\$ 1,540	Syble M. Oldaker (Nursing)	Dimensions of Wellness Among Candidates for a Wellness Program	\$ 1,000
John R. Wunder (History)	Law and the Chinese on the American Frontier, 1840-1910	\$ 1,200	Frederick W. Shillstone (English)	<u>Byron and the Myth of Tradition</u>	\$ 700
Miguel Folkmar Larsen (Physics and Astronomy)	Wind Measurements in the Auroral Zone in Greenland	\$ 1,600	Thomas R. Alley (Psychology)	Emotional Responses To Perceived Age	\$ 560
Earl J. Hayter (Civil Engineering)	Laboratory Investigation of Tidal Inlet Dynamics	\$ 1,400	Mary Hurley Moran (English)	Re-assessing Business and Technical Writing Student's Needs in Response to a Survey of Recent Clemson Graduates Working in Business and Technical Fields	\$ 273
Jerry Nedelman (Mathematical Sciences)	Mathematical Modeling and Experimental Design in Hematology	\$ 560	Sylvia Kentig (Sociology)	AUP Sexual Harassment Survey	\$ 820
Karen E. Stine (Management)	Effects of Heavy Metals and Detergents on ATPase Activities in Freshwater Fish	\$ 1,700	Thomas H. Parry (Elementary and Secondary Education)	The Assessment of Career Options by Graduate Students Within the College of Education	\$ 700
David N.-S. Hon (Forestry)	Acid Rain and Wood	\$ 1,500	Sixto E. Torres (Languages)	The Historical Plays of Jose Martin Recuerda	\$ 1,200
Albert G. Abbott (Biological Sciences)	Molecular Analysis Plant Genetic Sequences	\$ 1,800	William Lasser (Political Science)	The Supreme Court in Crisis	\$ 1,145
Robert J. Kosinski (Biology Program)	Construction of Microcomputer-Controlled, Interactive Videotape Programs	\$ 1,650	Carol M. Ward (English)	Mae West: A Bio-Bibliography Study	\$ 1,100
Richard D. Warner (Chemistry and Geology)	Magnetic Mineralogy of Dolerite Dikes	\$ 1,120	Kevin Thompson (Psychology)	The Objective Assessment of Body Image Distortion	\$ 800
Frederick C. Raetsch (Elementary and Secondary Education)	Organizational and Instructional Patterns of Compensatory/Remedial Classes Mandated by the Education Improvement Act of 1984	\$ 160	Judith Stanton (English)	British Women Writers, 1600-1800: A Comprehensive Checklist	\$ 798
Michael F. Kohl (Library)	A Survey of Archival Repositories Concerning Their Practices on Reporting Accessions and Producing Finding Aids	\$ 306	Fertac H. Bilge (Bioengineering)	Determination of Host Protein Adsorption on <u>Dirofilaria immitis</u>	\$ 1,800
Francis C. Dane Ronald Nowaczyk (Psychology)	An Evaluation of Manuals Designed for Instructing the Lay Person in the Use of Computers	\$ 705	Susan F. Barefoot (Food Science)	Genetics of the Lactobacillus: Determinants of Bacteriocin Production in Lactobacillus acidophilus	\$ 1,000
Gynthia L. Lenz (Nursing)	Leadership Behaviors in Selected Professional Nurse Populations	\$ 900			
Peter H. Adler (Entomology)	Differentiation of Closely Related Groups of the Corn Earworm Pest in South Carolina	\$ 1,200			
	Total Amount Allocated	\$ 32,087			

CLEMSON UNIVERSITY  
FACULTY SALARY REPORT - FALL SEMESTER 1984-85  
(Nine-Month Basis)

PROFESSORS

COLLEGE	FACULTY #	MAXIMUM \$	MINIMUM \$	MEDIAN \$	AVERAGE \$
		Male			
Agriculture	106	53,966	26,409	37,460	37,226
Architecture	19	52,904	32,400	38,021	39,470
Commerce and Industry	26	51,335	35,250	43,000	43,588
Education	12	43,664	32,864	39,613	38,114
Engineering	50	59,000	30,000	45,281	45,296
Forest and Rec Resources	18	45,738	31,593	37,395	37,974
Liberal Arts	23	49,900	27,665	35,803	37,129
Sciences	64	57,565	29,686	42,466	42,428
		Female			
Agriculture	(2)				
Commerce and Industry	(1)				
Education	(2)				
Nursing	(1)				
Sciences	(4)				
		TOTAL			
	318	59,000	26,409	39,488	40,265
	(10)				

ASSOCIATE PROFESSORS

COLLEGE	FACULTY #	MAXIMUM \$	MINIMUM \$	MEDIAN \$	AVERAGE \$
		Male			
Agriculture	63	41,131	23,915	29,241	29,173
Architecture	15	35,700	25,137	31,351	31,012
Commerce and Industry	29	41,498	27,470	36,667	36,140
Education	14	34,689	24,124	28,898	29,325
Engineering	29	43,000	30,000	35,500	35,911
Forest and Rec Resources	16	37,284	24,701	29,903	30,046
Liberal Arts	36	35,100	21,285	26,200	26,873
Sciences	43	40,230	22,915	28,631	30,676
		Female			
Agriculture	10	32,311	26,157	28,091	28,527
Architecture	(1)				
Commerce and Industry	(3)				
Education	(3)				
Engineering	(1)				
Forest and Rec Resources	(1)				
Liberal Arts	9	30,440	22,276	27,768	26,587
Nursing	(4)				
Sciences	(3)				
		TOTAL			
	264	43,000	21,285	29,904	30,662
	(16)				

## ASSISTANT PROFESSORS

COLLEGE	FACULTY #	MAXIMUM \$	MINIMUM \$	MEDIAN \$	AVERAGE \$
		Male			
Agriculture	23	29,448	18,683	25,910	25,452
Architecture	(2)				
Commerce and Industry	25	39,682	23,660	31,212	31,124
Education	(4)				
Engineering	21	35,682	28,009	33,000	32,553
Forest and Rec Resources	7	25,692	20,845	23,667	23,633
Liberal Arts	38	26,719	19,504	22,050	22,303
Sciences	24	35,000	19,495	26,625	27,521
		Female			
Agriculture	9	25,809	20,414	24,478	23,975
Architecture	(2)				
Commerce and Industry	(3)				
Education	(3)				
Engineering	(1)				
Forest and Rec Resources	(1)				
Liberal Arts	18	26,714	19,000	21,000	21,518
Nursing	21	32,305	19,978	24,019	25,313
Sciences	(4)				
		TOTAL			
	186 (20)	39,682	18,683	25,030	26,103

## INSTRUCTORS

COLLEGE	FACULTY #	MAXIMUM \$	MINIMUM \$	MEDIAN \$	AVERAGE \$
		Male			
Agriculture	7	22,576	17,178	21,636	20,627
Commerce and Industry	(2)				
Education	(1)				
Engineering	(1)				
Forest and Rec Resources	(1)				
Liberal Arts	7	24,030	14,000	14,500	16,801
Sciences	(1)				
		Female			
Agriculture	(3)				
Commerce and Industry	(1)				
Forest and Rec Resources	(1)				
Liberal Arts	7	14,750	14,100	14,500	14,364
Nursing	(3)				
Sciences	(4)				
		TOTAL			
	21 (18)	24,030	14,000	14,600	17,264

## LIBRARIANS

COLLEGE	FACULTY #	MAXIMUM \$	MINIMUM \$	MEDIAN \$	AVERAGE \$
		Male			
Library	(3)				
		Female			
Library	9	23,558	13,906	20,531	19,402
		TOTAL			
	9 (3)	23,558	13,906	20,531	19,402

NOMINATING BALLOT  
COMMISSION ON CLASSIFIED STAFF AFFAIRS  
CLEMSON UNIVERSITY

Three vacancies will occur July 1, 1985, on the Commission on Classified Staff Affairs. President Bill Atchley is seeking nominations from the following areas:

Office of Business and Finance (one non-Physical Plant employee);  
College of Agricultural Sciences (one off-campus employee);  
The combined colleges of architecture, commerce and industry, nursing, sciences and the library (one employee).

The person you nominate must be a permanent, classified employee of Clemson University. An employee may be nominated more than once, and you may nominate as many persons as you wish. Current Staff Commission members may be re-nominated. (Make as many copies of this form as you need.)

Nominee's Name: \_\_\_\_\_  
First
Middle Initial
Last

College (if applicable): \_\_\_\_\_

Department/Office/Division: \_\_\_\_\_

Job Title: \_\_\_\_\_ Years at Clemson: \_\_\_\_\_

TO NOMINEE: Signing this form indicates your willingness to serve on the Commission on Classified Staff Affairs if you are selected.

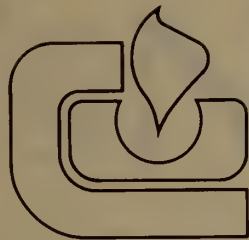
\_\_\_\_\_  
Signature of Nominee

\_\_\_\_\_  
Signature of Nominator

PLEASE DETACH AND MAIL YOUR NOMINATING BALLOT(S) TO:

PERSONNEL DIVISION  
ANDERSON HOUSE  
CLEMSON UNIVERSITY  
CLEMSON, SC 29631

JAN 10 1985  
 JAN 10 1985



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

## January

Jan. 11-18

-31

M T W T F S SPORTS

1 2 3 4 5

11 Wrestling: Notre Dame and Maryland, Jervy, 1 p.m. and 7:30 p.m.

6 7 8 9 10 11 12

12 Wrestling: Tiger 8 Invitational, Jervy.

13 14 15 16 17 18 19

12 Basketball: Maryland, women, here, 7:30 p.m.

20 21 22 23 24 25 26

14 Basketball: Duke, women, here, 7:30 p.m.

27 28 29 30 31

### OTHER EVENTS

15 Chamber Music Series: Van Stiefel, solo guitarist. Sponsored by music department, Daniel Hall Auditorium, 8 p.m. Open to public. Free. Call 656-3043 for more information.

15 Last day to register; last day to add a subject.

18 Meeting: Linkup -- an organization for all users and potential users of computers. Sponsored by College of Agriculture, P&A Auditorium, 2 p.m. Call 656-3102 or 656-2396 for more information.

Through Jan. 31 Freedom From Smoking Clinic. Sponsored by YMCA, Thursdays, 7:30 p.m., YMCA Center. Call 654-2361 for more information.

Through Feb. 26 Slim Living, a national YMCA program for weight control. Sponsored by YMCA, Tuesdays, 6-7 p.m., YMCA Center. Call 654-2361 for more information.

Through March 7 Feeling Great, a program of aerobic dance, fitness and fun for first through sixth graders. Sponsored by YMCA Center. Call 654-2361 for more information.

Through March 15 Dancin' Aerobics. Sponsored by YMCA. Call 654-2361 for more information.

Continuous Men's Fitness. Sponsored by YMCA, YMCA Center, Monday, Wednesday and Friday, 12:10-12:50 p.m. Call 654-2361 for more information.

# EVENTS



Information regarding the upcoming events, including dates, locations, and contact details. The text is arranged in several columns and includes various headings and sub-sections.

Additional information and details about the events, possibly including a list of activities or a schedule. The text continues in a structured format with clear headings.

Final section of text, likely containing contact information, a disclaimer, or a closing statement. It includes a list of names and possibly a signature block.





# Newsletter

January 16, 1985  
Vol 24 No 18

JAN 16 1985

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## He fixes everything from eyeglasses to elephants

The craftsmen in the welding shop at the Physical Plant have a slogan that goes like this: "If it ain't broke, we ain't fix it."

Wayne Wilson, one of the trades craftsmen in the shop, has learned that slogan well in the past seven years. And because of his expertise in "fixing things," he was named "Employee of the Year" for 1984 at the Physical Plant's Christmas dinner in December.

People have different ways of describing what Wilson does in his job. Walt Stone, Physical Plant director, said at the dinner: "He repairs all types of valves, steam traps, pressure regulators and steam flow meters; he installs and maintains fire protection sprinkler systems to include alarm check valves, acid waste drainage and venting systems, compressed air and vacuum piping systems."

Hank Goodman, Wilson's supervisor, has another way of saying it: "He repairs everything from eyeglasses to elephants, and he's real good at it."

Wilson spends about half his day in the shop, where he has become, says Goodman, quite adept at welding. "He is one of my best men," says Goodman. "He's versatile. I don't think I've ever given him something he can't do, or at least try his hardest."

Wilson says probably the most demanding job he's had here was that of helping to replace the wrought iron fence at the Calhoun cemetery. The length of the fence (75 sections) and



**Welding a grill** — Wayne Wilson, a craftsman whose primary job is welding, was named the Physical Plant's "Employee of the Year" for 1984. A fixer of everything from steam pipes to flush valves, Wilson here is welding a grill for the fire department.

its state of deterioration made the job "a little aggravating," he says.

Two or three evenings each week Wilson switches hats, changing from a welder to a student finishing up his high school education at Seneca High School. "I realized that if I was ever going to move up, I was going to have to get some more education," he says.

Meanwhile, Wilson works daily to help ensure that physical facilities around the University are in good working condition so that students here can continue their education.

President Bill Atchley, who spoke

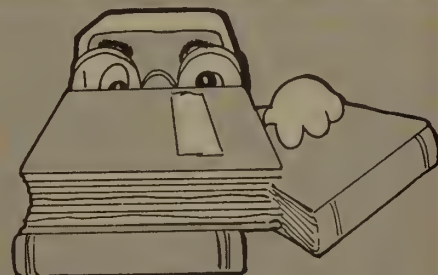
briefly at the Christmas dinner, told the 357 Physical Plant employees that educating students is the reason they are here. "You are the backbone of the University," Atchley said, "and this institution could not get along without all the hard work you do."

Also at the dinner, Gary Pringle, superintendent of buildings, recognized three employees for longevity: Thomas Ligon, 46 years; Selena Peppers, 37 years; and James Ligon, 32 years.

But the highlight of the dinner was Wilson's award, a plaque given annually

(Continued on page 2.)

# LUIS is coming to the LIBRARY.



The Newsletter next week will be delayed one day -- until Thursday -- in order to give LUIS a proper welcome.

(Continued from page 1.)

to an employee whose performance has been outstanding. "I don't hardly know what to think about it," said Wilson. "I haven't had anything like this happen before."

## 'Endless Summer' will entertain at Presidential Ball

Expect an evening of varied musical entertainment, if you plan to attend the Presidential Ball Jan. 25.

"Endless Summer," an eight-member vocal group will perform a variety of contemporary music and old favorites, including everything from popular and beach music to country and '50s rock.

For more information or to reserve your tickets -- \$10 per person -- call the Alumni Center at 656-2345. The annual event, held in the lobby of Fike Field House, is sponsored by the University Club.



Webster

## Animal scientist helps to improve beef production

Henry Webster, an animal scientist with the Extension Service, has been honored for his contributions to the beef industry in South Carolina.

Webster has received a superior service award for outstanding work to develop and implement educational programs to improve livestock production efficiency.

Under Webster's leadership, entrance criteria and performance standards have been improved for all bulls entering the Clemson bull testing program. He organized a replacement heifer sale and was a leader in establishing a graded feeder calf sale in the state.

He joined the staff here in 1979, after serving with the Extension Service at North Carolina State.

Webster serves on committees of the National Beef Cattle Improvement Federation and is secretary of the S.C. Cattlemen's Association.

# Witherspoon gets service award during faculty-staff meeting

The fall semester of 1984 was brought to its close at a general meeting of the faculty and staff Dec. 19, as the University's president, provost and Faculty Senate president reviewed the major events of the term and looked ahead to the new year.

But before those remarks, George Moore, associate vice president for institutional advancement, presented the Alumni Distinguished Public Service Award to Extension agent William (Billy) Witherspoon.

A 1956 Clemson graduate with a degree in animal science, Witherspoon was honored for his outstanding contributions to the state and, specifically, to Horry County.

In presenting the award, which carries a stipend of \$1,500, Moore said that Witherspoon's "quick and effective action" during the spring tobacco fertilization program helped save many farmers from "almost certain financial disaster."

"His expertise in the tobacco and cotton industry, in community and rural development, and in 4-H programming has gained him the highest respect of his peers," said Moore.

Witherspoon has devoted his entire career to public service, having been assistant county agent in York County and county agent in Dillon County.

He is a former president of the S.C. County Agent's Association, former vice chairman for the scholarship program of the Southern Region of the National County Agents Association and current vice director for the 16-state Southern Region.

### Senn highlights activities of Faculty Senate

Saying that he feels the Faculty Senate has received "strong support" from both the president and the provost, Senate President David Senn reported on that body's major activities of the past eight months.

Some of these activities, he said, will result in revisions of the Faculty Man-



Witherspoon

ual, namely: clarification of faculty grievance procedures; broadening the scope of the Alumni Association teaching, research and public service awards; clearer definition of the criteria for Alumni Professorships; and revision of the guidelines for the "Open Forum."

In the area of scholastic policies Senn said, the Senate has proposed changes in the academic calendar voted to abolish midterm grade reports and strongly supported President B. Atchley's efforts to increase attendance at campus academic and cultural events.

Further, Senn said, the Senate has supported the establishment of a wellness program; has culminated a year-long effort to reconcile billing problems for in-hospital clinical pathology work performed at Anderson Memorial Hospital; has persevered in attempts to "bring administrators and faculty together on the return of indirect-cost funds to the researchers who generate those funds and has supported changes in the faculty evaluation process.

Among the issues the Senate is currently working on, he said, are proposed changes in honorary degree policies; political activity of University employees; composition of peer review committees; tenure percentages; and long-range planning for the orderly growth and refinement of programs at the University.



The Clemson University Newsletter is published for Charlotte Holmes, an administrative assistant in University Relations, and for all the members of the University faculty and staff by the Department of Publications and Graphic Services.

Editor \_\_\_\_\_ Jack A. McKenzy  
Assistant Editor \_\_\_\_\_ Joyce D. Barre  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

### Provost describes eventful year

"A period of almost frenetic activity" -- that's how Provost David Maxwell summed up the first half of the academic year, adding that he has received more "unsolicited accolades than ever before for the dedication of the faculty and staff to the students."

Research and scholarly activity have increased greatly, he said, as well as the computerization of instruction, research and administrative chores.

The University is "making inroads," he said, on its equipment deficit, has a "significant number" of renovations under way, and is actively seeking the needed funds for more facilities and equipment.

The provost then reported on state and regional activities important to higher education and on the University's planning efforts and desegregation-plan progress.

First, he said, institutions of higher learning are being legislatively mandated to emphasize accountability, effectiveness and efficiency. "Henceforth," he said, "we will have to specify the outcomes or results of the services that we provide and construct efficiency and effectiveness indexes that indicate how good a job we are doing."

He said the same push for institutional accountability is also coming from the Southern Association of Colleges and Schools, the general accrediting agency for the University.

He said the state Commission on Higher Education is busy on a number of projects, including proposed revisions to the funding formula applied to state colleges and universities. If some of those revisions are successful, he said, "Clemson's relative share of the appropriations for graduate instruction will be significantly reduced."

CHE is also requesting a half million dollars for a study of higher education, he provost said.

Turning to planning efforts at home, Maxwell said the University is engaged with the Board of Trustees in creating a framework for future planning. "We have not been able to keep you abreast of what we are doing because it won't be ready for scrutiny until after the board has reacted to it," he said.

The results of the planning efforts will be made available, he said, "as soon as we can do so."

As the University enters the last stages of its efforts to comply with the state's desegregation plan, the provost gave this report:

-- One hundred and twenty minority students have been enrolled this year, with the goal set at 220 students;

-- The total undergraduate minority enrollment is about 525, which is 90

(Continued on page 4.)



'Disquiet Pauses' — A series of illusionistic drawings based on video imagery is a part of what you will see this month in Lee Gallery's exhibition, which runs through Jan. 28. Artist Gunars Strazdins says his "Disquiet Pauses," done with prismacolor pencils and watercolor, depicts "the often aggressive content of broadcast television." Gallery hours are 9 a.m. to 5 p.m. Monday through Friday and 2-5 p.m. Sunday.

## Exhibit open now in Lee Gallery

Sculpture by Robert Stackhouse and drawings by Gunars Strazdins are featured in this month's exhibit in the College of Architecture's Lee Gallery.

The sculpture installation by Stackhouse, a New York and Washington, D.C., based artist, is entitled "Deep Swimmers." Measuring 28 feet by 10 feet by 8 feet, it is composed of more than 260 pieces of oak and was formed especially to travel to galleries throughout the East.

The sculpture and accompanying paintings by Stackhouse make up a show that originated at the Art and Architecture Gallery of the University of Tennessee. Lee Gallery is the show's first stop on a tour that will eventually end at the Corcoran Gallery of Art in Washington.

Strazdins, an associate professor of art at the University of South Carolina in Columbia, will exhibit drawings and paintings concurrently in the gallery, says director Tom Dimond.

Strazdins' work is related to both pop art and photorealism, growing out of his experiences in producing video work. Strazdins says of his work, "It grew out of a continued attraction/repulsion to broadcast television. A series of drawings is based on network news broadcasts, with an emphasis on the intrusion of the press in news events."

Another series, based on cartoon and afternoon entertainment shows,

presents, he says, "the nostalgia and vacuity of the bulk of afternoon programming."

The exhibition will run through Jan. 28. Gallery hours are 9 a.m. to 4:30 p.m. Monday through Friday and 2-5 p.m. Sunday.

The exhibition is sponsored by the College of Architecture and the Clemson Architectural Foundation.

## Police Department moves to new home

The police department has moved to its new quarters on the first level of the Orange Aids Station at the corner of A and G streets.

If you have business to conduct with the department, says Chief of Public Safety Jim Brummitt, remember the new location. The telephone number remains the same -- 656-2222.

## Retirement meeting set for Jan. 30

Two retirement planning meetings will be held Jan. 30 in the Senate Chamber of the University Union Complex for employees who plan to retire by July 1 of this year.

The same information will be provided during both the 9:30 a.m. and the 1:30 p.m. meetings.

For more information call Debbie King at 656-2426.

(Continued from page 3.)

percent of the University's goal;

-- The total minority graduate student body is now 126.

Maxwell said the University is below its goals for adding minority faculty and administrators. "It should be noted, however," he said, "that the plan anticipated that the total number of faculty would increase by 51, whereas the total faculty size has remained fairly stable."

Whatever the results of the plan, he said, the administration "remains committed to affirmative action and firmly intends to continue efforts to increase minority representation in all parts of the academic community without diminution of standards -- not because we are forced to increase such representation, but because it is the right thing to do."

#### Atchley reviews semester

After a brief review of the fall semester, President Bill Atchley gave a funding outlook for the upcoming fiscal year and looked ahead to the next four years and the University's centennial celebration.

But first, he addressed the State Law Enforcement Division's investigation into the death of a Clemson student athlete and allegations that prescription medicine taken by the athlete may have come from coaches in the athletic department.

"An autopsy showed," said Atchley, "that the student died of natural causes -- congestive heart failure. It turned out that he had a birth defect of the heart."

The president said that prescription medications for which the student did not have a prescription were found in his room. "Even though we think there was no connection to this student's tragic death, we were concerned about where he got the medication without a prescription."

Concern over the allegations led to the SLED investigation and to the suspension of two coaches, both of whom later resigned, he said.

"I want everyone to know," he said, "that Clemson University takes this kind of charge very, very seriously. It is not something we could ever condone ... and we will not allow it to exist even in the form of gossip or rumor."

Atchley then called on the faculty and staff to help spread the word to the students here that "we care about their health and safety, as well as their performance in the classroom."

In reporting on general news of the semester, Atchley expressed disappointment in the postponement by the Semiconductor Research Corporation of its Project Leapfrog. Bidding on the

project, he said, marked the first-ever effort on the part of state government, business and higher education to go after a major microelectronics development.

"That, in itself, was worth the effort," he said. "Those seeds of cooperation will produce for us one day, I'm sure."

The president then highlighted these major events of the semester:

-- Byron K. "Bud" Webb, head of the agricultural engineering department, became director of the Extension Service;

-- The Thurmond Institute began its first major research effort funded by an outside source: a comprehensive study, supported by a \$250,000 grant from the State Water Resources Commission, of the state's water resources. Jim Hite, Alumni Professor of Agricultural Economics and Rural Sociology, is heading the project.

-- Hite, economics Prof. Holley Ulbrich and management and economics Prof. Clint Whitehurst were named Senior Fellows of the Thurmond Institute;

-- Clemson joined the Medical University of South Carolina to set up an Agromedicine Center, supported by \$200,000 in state money;

-- The Cooper Library received a \$50,000 grant to develop a records management program and improve the University's archives;

-- The College of Sciences received in September an electron microscope, which helps to give Clemson one of the best research facilities of this type in the nation;

-- Five faculty members and six students from the College of Architecture exhibited their works at a showing of Southern art in Rome, Italy;

-- The Clemson Players received the first "Founder's Award" from the S.C. Theater Association, and an original play, "Notes of a Family," written by graduate student Angela Elam will be entered in regional competition of the American College Theater Festival.

#### Funding outlook

The state revenue picture for next year, Atchley said, "right now looks pretty good. We expect a slight increase in appropriations for both our education-and-general and public-service budgets."

For the first time in history, he said, the state gave colleges and universities "almost 100 percent of the minimum amount the state says we need to operate ... according to its own formula."

The Commission on Higher Education, he said, now seems to be committed to full-formula funding. "There has, however, been a proposed change in the formula, a change that is not

beneficial to Clemson University," he said. "We will continue to monitor that and to oppose any change that is not fair."

On the positive side, he said, is the move by the state's public college and universities "to pull together through the Council of Presidents to work on issues of common concern to all of higher education."

The council will be discussing three issues during the next year:

-- removal of the proviso in the annual budget bill that says institution must fund a portion of state-mandated pay increases from outside sources which, in the University's case, mean student fees;

-- revision of the state procurement code as it applies to colleges and universities; and

-- formation of a separate personnel system for institutions of higher education.

"But we cannot meet all our financial needs without increased private fund raising," Atchley said, "and I'm glad to be able to report good news in that area, too."

Annual fund gifts now stand at \$1 million, he said, with a goal of \$1.5 million by June 30; special gift clubs have been organized at levels ranging from \$10,000 to \$100,000 and more and five alumni classes are working on class endowments, as did the Class of '34.

"And," said Atchley, "I think it is very significant that members of our own Board of Trustees have set a personal giving level of \$1.7 million dollars, while six trustees have pledged \$100,000 or more."

#### A look to the future

Groundbreaking for the Thurmond Institute building is planned for spring according to the president, who said that event will be "a wonderful high note on which to begin, in earnest, the planning for our centennial celebration."

Several study committees are at work on planning for the centennial celebration, and one of their recommendations, he said, is that the freshmen who enter in the fall of 1985 be designated the "Centennial Class."

He said that class "will play a vital part in planning and carrying out our plans, and when they leave Clemson they will provide a solid core of your graduates who understand where we came from and where we are going."

Atchley concluded his remarks by telling the faculty and staff: "The next four years will be exciting time to be at Clemson University. We're getting ready for a big party and a dedication of Clemson University and all it stands for. And we want you to be a part of that celebration."



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

JAN 16 1985

Jan. 18-25

## MEETINGS AND CONFERENCES

January

-31

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2	28	29	30	31		

- 18 Meeting: "Linkup" -- an organization for all users and potential users of computers. Sponsored by College of Agriculture, P&A Auditorium, 2 p.m. Call 656-3102 or 656-2396 for more information.
- 22-23 Conference: "Carding and Sliver." Sponsored by Professional Development, Clemson Ramada Inn. Call 656-2200 for more information.
- 22-24 Seminar: "Project Management and the Personal Computer." Sponsored by Professional Development, Lehotsky Hall, 9 a.m.-4:30 p.m. Call 656-2200 for more information.
- 23-24 Conference: "Mechanisms of Dyeing." Sponsored by Professional Development, Clemson Holiday Inn. Call 656-2200 for more information.

## FILMS

- 17-19 "Red Dawn." Sponsored by University Union, Y-Theater, 7 and 9:30 p.m., \$1.50. Call 656-2461 for more information.
- 21 "The Thing." Sponsored by University Union, Y-Theater, 8 p.m., \$1. Call 656-2461 for more information.
- 24-26 "Splash." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m., \$1.50. Call 656-2461 for more information.

## SPORTS

- 19 Wrestling: Tiger Duals, day-long event with three meets, Jervey.
- 19 Basketball: Virginia, men, here, 1:30 p.m.
- 19 Basketball: Virginia, women, here.
- 19 Swimming: North Carolina, women, here, noon; men, 3 p.m.
- 23 Basketball: Georgia Tech, men, here, 7:30 p.m.

## OTHER EVENTS

- 18 Sign-up deadline for ski vacation in Vermont. Sponsored by University Union. Call 656-2461 for more information.
- 20-21 Auditions for Clemson Players' production, Daniel Hall Auditorium, 7:30 p.m. Open to public. Call 656-2476 for more information.
- 22 Performing Artist Series: National Shakespeare Company's performance of MacBeth. Sponsored by University Union and Clemson Alumni Association, Tillman Hall Auditorium, 8 p.m., \$4 students, \$6 others. Call 656-2461 for more information.
- 23 English Hour Lecture: Poetry Reading by Ronald Moran, a professor of English. Sponsored by English department, 108 Strode Tower, 3:30 p.m. Open to public, free. Call 656-3151 for more information.
- 24-25 Music by "Killer Whales." Sponsored by University Union, 9 p.m., \$2. Call 656-2461 for more information.
- 25 Fourth Annual Presidential Ball. Sponsored by University Club, Fike Field House lobby, 9 p.m. Call 656-2345 for more information.
- Through March 7 "Feeling Great," a program of aerobic dance, fitness and fun for first through sixth graders. Sponsored by YMCA, Tuesday and Thursday, 3-4 p.m., YMCA recreation gym. Call 654-2361 for more information.
- Through March 15 "Dancin' Aerobics." Sponsored by YMCA, morning class: Monday-Friday, 9-10 a.m., YMCA recreation gym; afternoon classes: Monday, Wednesday, Friday, 5:20-6:20 and 6:30-7:30, and Tuesday, Thursday, 5:30-6:30 p.m., at YMCA Center. Call 654-2361 for more information.
- Through Feb. 26 "Slim Living," an approach to weight control. Sponsored by YMCA, Tuesday, 6-7 p.m., YMCA Center. Call 654-2361 for reservations.
- Continuous "Men's Fitness." Sponsored by YMCA, Monday, Wednesday, Friday, 12:10-12:50, YMCA Center. Call 654-2361 for more information.



JAN 24 1985



# Newsletter

January 23, 1985  
Vol 24 No 19

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Plan to meet LUIS Friday in the Cooper Library

LUIS is here! And if you'd like to meet the little fellow, plan to visit the Cooper Library tomorrow (Friday) between 2 and 5 p.m. and help welcome him to his new home.

You won't have any trouble spotting him, for he is a "byte" out of the ordinary. You will recognize LUIS by his eyes -- framed with glasses, they are rather large and round; by his head -- it's a perfect green square; and by his paunch -- orange and slightly rotund, it resembles a computer keyboard.

In fact, it is his paunch that holds the key to LUIS's identity -- with which you will become more familiar in the coming months when you want to check out materials from the library.

LUIS, an acronym for "Library User Information System," is actually a sophisticated computer program and database, says library associate director Rich Meyer. But when you want to know which books are in the library, LUIS can turn into a friendly little guy who can be quite helpful in your search. And, best of all, you can find him at almost any computer terminal on campus.

LUIS is part of a larger system that the library staff and the Division of Administrative Programming Services have installed on the University's main computer. The library uses the system, says Meyer, for many routine tasks, such as purchasing books and keeping track of journals and magazines.

At the same time, the staff keeps LUIS well fed with bibliographic records of the library's holdings, and, though LUIS is in his infancy, he is growing bigger with each byte.

Meyer says that books and journals added to the library since 1975 are accessible now through LUIS. The staff currently feeding him records for all the books and journals added to its collections before 1975. But since the library has so much food for LUIS, he probably will not be fully grown until '87.

Other items LUIS has not yet digested are government publications,

archival records, manuscripts, articles in periodicals, and additional uncataloged materials. Until LUIS gobbles them up, the reference staff will continue to help you in locating these, says Meyer.

To call up LUIS from terminals in the library, you should simply follow the instructions on the screen. To get in touch with LUIS on other terminals, do the following:

-- find an IBM, Telex or Courier terminal;

-- make sure it is **not** logged on;

-- type the word "LIBRARY" in all capital letters;

-- when LUIS pops up on the screen, read his message and follow his instructions;

-- when you are finished talking with LUIS, enter "CLEAR" twice and the screen will go blank. You can then logon in the usual way for other uses of the terminal.

Before long, with the help of LUIS, you will be able to determine the existence of and call numbers for books by any author or for any subject you can imagine.

"We hope everyone will come and meet LUIS," says library director Joe Boykin. "As with any new acquaintance, he'll take some getting used to, but we think once people get to know and understand him, they'll find he can save them a lot of time."

If you try using LUIS and he doesn't seem to cooperate, remember that reference desk staff members have learned how to bring out the best in him, and they can tell you how to do the same.

Although LUIS is a very hard worker, he does have to take a break from time to time. Every Tuesday and Thursday he goes down for a nap at 5 p.m., but most of the time he will be back up by 7 p.m. Otherwise, he is busy daily from 8 a.m. to 10 p.m.

Since LUIS is in his early stages of development, says Boykin, he may have some maturation problems, so bear with him. In fact, you may have suggestions for raising LUIS. If so, says Boykin, drop by and talk with a member of the library staff. LUIS wouldn't mind at all having a few foster parents.

## Black History Month to feature musical, films, lectures

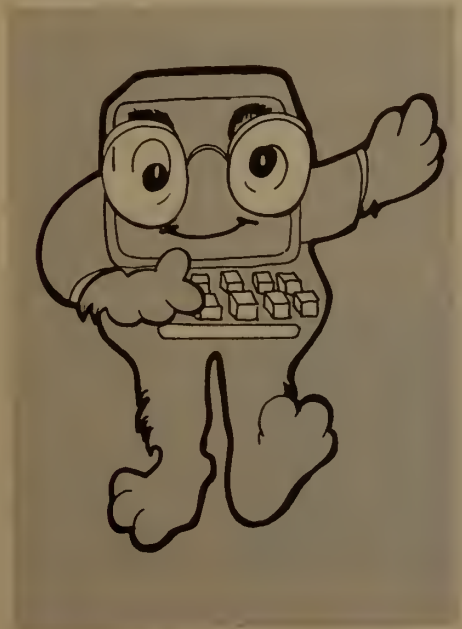
The touring company version of the Tony award-winning musical "Ain't Misbehavin'" will kick off Black History Month in February with an 8 p.m. performance Jan. 31 in Littlejohn Coliseum.

Black History Month, a celebration of the roles blacks have played in history, will feature several cultural and academic events, including four lectures (free and open to the public), two concerts and a series of films.

John Blassingame, a historian from Yale University, will speak Feb. 7 at 8 p.m. in Lee Hall's Lyles Auditorium, with a reception following in Lee Gallery.

Also in Lyles Auditorium, on Feb. 12 Edmund Gaither, curator of the Boston Museum, will speak at 8 p.m. on "Primitive and Black Art."

On Feb. 15, the lecture series will move to Daniel Hall Auditorium, where Ojeda Penn, a jazz musician and lecturer, will speak at 8 p.m. (Continued on page 2.)



(Continued from page 1.)

turer, will present a 3:30 p.m. lecture-demonstration on "Jazz: What It Is."

Penn will return to Daniel at 8 that evening for a concert that will further demonstrate her music. Admission is \$1 for students and \$2 for the public.

Two events are planned for the following day, Feb. 16: Doris Massey of WHYZ Radio in Greenville will speak at 3 p.m. in the Y-Theater on the history of gospel music. Following her talk, a film, "Say Amen, Somebody," will be shown at 4 p.m.

The climax of that weekend will come on Sunday afternoon, Feb. 17, when the Clemson University Gospel Choir presents its winter concert, "A Gospel Explosion," at 3 p.m. in Tillman Hall Auditorium."

Each Wednesday during February, films will be shown at Edgar's Night Club, with each film shown twice, at 8 and 9:30 p.m. (See the weekly Calendar of Events for film titles.)

Events celebrating Black History Month are sponsored by PAMOJA, the University Union, the Speakers Bureau, the Lemon Lecture Series in Southern Studies, and the Clemson University Gospel Choir.

For further information on the month's events call one of the sponsoring organizations or Assistant Dean of Student Life Mickey Lewis at 656-2153.

## Nominations invited for Sullivan Award

The University Scholarships and Awards Committee is accepting nominations for the 1985 Algernon Sydney Sullivan Award.

Sullivan medallions are given annually to two members of the graduating class who have demonstrated outstanding service to the University, says Jack Stevenson, committee chairman.

A third medallion goes to a non-student whose record of service to the University and to the Clemson community goes far beyond the call of duty or the scope of that person's employment.

Recipients of the medallion are selected in recognition of their influence for good, their excellence in maintaining high ideals of living, their spiritual qualities, and their generous and disinterested service to others.

Each nomination should be supported by a fairly complete resume of the candidate's achievements. You should send your letter of nomination, along with supporting materials, to Stevenson at 532 Clemson House. The deadline is Feb. 14.



**Feathered friends** --Prof. Gordon Gray, head of the elementary and secondary education department, displays a few of the feathered friends he has made over the years. His woodcarving hobby resulted in a series of seminars led by master woodcarver Bill Veasey. The next one is set for Feb. 1-3.

## His love for woodcarving led to series of seminars

One of Gordon Gray's first experiences in woodcarving proved to be a "spiritual" experience, as the object he crafted turned out to appear, he thought, rather celestial.

"It looked like an angel to me," says Gray, head of the elementary and secondary education department. "Unfortunately, it didn't look like one to anyone else."

After having carved his wooden angel, Gray decided that he wanted to get more serious about his hobby. So, he attended a course taught by Bill Veasey, a professional waterfowl carver. And, since Gray's hobby is shared by many, his love for carving led him to invite Veasey to conduct a series of waterfowl carving seminars here.

Last May, 22 people ranging from high school students to senior citizens participated in one of Veasey's seminars. "These seminars," says Gray, "are for people at every level, with both beginning and advanced classes offered."

Gray carves objects besides water-

fowl, but he finds waterfowl especially satisfying because of the detail involved and the large number of species from which he can choose.

He has won several awards for his carvings, including two blue ribbons on his American golden-eye. Such recognition is the result of long hours of work. "It is very easy to get lost in time," says Gray. "Almost any bird will take at least 40 to 60 hours to complete, depending on the type of fowl you're carving."

The next carving seminar is scheduled for Feb. 1-3, when Veasey will instruct beginning woodcarvers on the basics of a green-winged teal. Advanced carvers may choose their own projects.

Classes will be held 9 a.m.-7 p.m. or Feb. 1-2 and 9 a.m. to 4 p.m. on Feb. 3. The cost of \$150 includes instruction only. Paints and tools must be furnished by students or may be purchased during the seminar.

For more information on the seminar, call Gray at 656-3482.

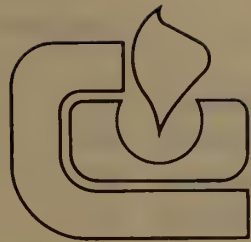


The Clemson University Newsletter is published for Selene Peppers, a custodial worker with the Physical Plant, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barret  
Production Assistant \_\_\_\_\_ Carla Reeve

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.





# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

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## Jan. 25-31

### MEETINGS AND CONFERENCES

- 29-30 Conference: "Coated Fabrics." Sponsored by Professional Development, Clemson Ramada Inn. Call 656-2200 for more information.
- 30 Meeting: "Retirement Planning" for persons retiring within the current fiscal year. Sponsored by Personnel Office, Student Senate Chambers, 9:30 a.m. and 1:30 p.m. Call 656-2426 for more information.

### SHORT COURSES

- 28 "Wine Tasting." Sponsored by University Union, Edgar's 7 p.m., \$5. Call 656-2461 for more information.
- 29 "Radio Broadcast #2." Sponsored by University Union, WSBF student radio station, \$5. Call 656-2461 for more information.
- 29 "Intermediate Shagging." Sponsored by University Union, Palmetto Ballroom, \$10. Call 656-2461 for more information.
- 30 "Woodcarving." Sponsored by University Union. Call 656-2461 for more information.
- 31 "Fundamentals of Bridge." Sponsored by University Union, Room 165 Student Government. Call 656-2461 for more information.

### FILMS AND MUSIC

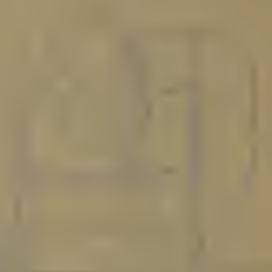
- 25-26 Film: "Splash." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m., \$1.50. Call 656-2461 for more information.
- 25 Music: "Killer Whales." Sponsored by University Union, Edgar's, 9 p.m., \$2. Call 656-2461 for more information.
- 27 Film: "Superman." Sponsored by University Union, Y-Theater, 7 and 9:30 p.m., free with University I.D., \$1 for public. Call 656-2461 for more information.
- 28 Film: "It's Alive." Sponsored by University Union, Y-Theater, 8 p.m., \$1. Call 656-2461 for more information.
- 31 Music: Guitarist Barry Drake. Sponsored by University Union, Edgar's, 8-11 p.m., \$1. Call 656-2461 for more information.
- 31 Film: "All of Me." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m., \$1.50. Call 656-2461 for more information.
- 31 Musical: "Ain't Misbehavin'," the touring company of the Tony Award-winning musical. Sponsored by University Union and PAMOJA, Littlejohn Coliseum, 8 p.m. Free. Call 656-2461 for more information.

## January

1-31

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## SPORTS

- 26 Basketball: Duke, men, here, 1:30 p.m.
- 26 Swimming: N.C. State, women, noon; men, 3 p.m.
- 30 Basketball: North Carolina, men, 7:30 p.m.
- 30 Basketball: Wake Forest, women, here.

## OTHER EVENTS

- 25 Fourth Annual Presidential Ball. Sponsored by University Club, Fike Field House lobby, 9 p.m. Call 656-2345 for more information.
- 26 Graduate Management Admissions Test. Sponsored by Counseling and Career Planning Center, 8 a.m.-noon. Call 656-2451 for more information.
- 29 Lecture: "Southern Literature: Dead or Alive?" by George Garrett, a professor of English, University of Virginia. Sponsored by College of Liberal Arts, Lemon Lecture Series and Southern Studies, Lyles Auditorium, 8 p.m. Reception follows in Lee Hall Gallery. Call 656-3153 for more information.
- Through Feb. 26 "Slim Living," an approach to weight control. Sponsored by YMCA, Tuesday, 6-7 p.m., YMCA Center. Call 654-2361 for reservations.
- Through March 7 "Feeling Great," a program of aerobic dance, fitness and fun for first through sixth graders. Sponsored by YMCA, Tuesday and Thursday, 3-4 p.m., YMCA recreation gym. Call 654-2361 for more information.
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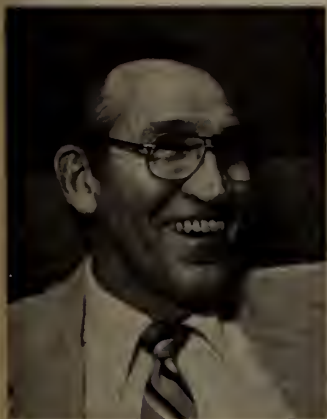
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# Newsletter

JAN 9 1985

January 30, 1985  
Vol 24 No 20

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY



Dickey



Fernandez

## Dairy scientist, language scholar receive Alumni Professorships

The 1984 Alumni Master Teacher and a linguist with more than 20 years of service here are the University's newest Alumni Professors, an honor that recognizes a select group of faculty members "primarily for their excellence in the field of undergraduate teaching."

Dairy scientist Joseph F. Dickey and Spanish scholar Gaston J. Fernandez joined the University's 14 other Alumni Professors with the start of the spring semester, according to Provost David Maxwell.

"These two faculty members are well deserving of this honor," Maxwell says. "They are outstanding teachers and scholars, and they each have given many years of service to Clemson. It speaks well of the institution to have people of this caliber on the faculty, and we are grateful to the Alumni Association for supporting this program of recognition for top faculty members."

Alumni Professorships, which carry annual stipends of \$3,000 each, are made possible by alumni contributions.

President Bill Atchley says he thinks the Alumni Professorship program is "one of the most worthwhile activities of the Alumni Association because it helps the University to reward outstanding teachers in a way that could not otherwise be done."

He says Dickey and Fernandez are

"eminently qualified" for this recognition because of their "dedication to teaching and to the welfare of their students."

Dickey's appointment as an Alumni Professor follows his selection, based on student nominations, last spring as Alumni Master Teacher, the University's highest teaching honor. A year before that, he received Gamma Sigma Delta honor society's Outstanding Teacher Award.

Dickey, who holds bachelor's and master's degrees from North Carolina State University and a doctorate from Pennsylvania State University, joined the faculty here in 1965.

He is active in research as well as teaching and is an expert on the reproductive physiology of both male and female cattle, sheep and swine.

He currently serves on eight master's and seven doctoral committees and has numerous publications and professional memberships in his field. He is and has been an active adviser to several student organizations, is immediate past president of the local Sigma Xi chapter, and is in his third term in the Faculty Senate.

But that which seems to earn Dickey his reputation for excellence is his rapport with students and his performance as a teacher. He is variously described by former students as "con-

cerned," "caring," "friendly," "humorous," "unselfish," and "devoted."

One student sums up his opinion of Dickey this way: "Dr. Dickey is an excellent scientist, a gifted teacher, a keen observer, but more than these he is a gentleman and a caring individual."

Alumni Prof. Fernandez joined the Clemson faculty in 1962, having fled the political turmoil of his native Cuba in 1960.

In Cuba, he was educated at the Instituto de Segunda Ensenanza de Remedios and at the University of Havana, from which he received his law degree in 1942. He earned his master's degree in Spanish from the University of North Carolina in 1967 and his doctorate from the University of Kentucky in 1971.

Fernandez has authored or co-authored four books and has two more in progress. He has published numerous professional articles and book reviews and holds or has held membership and offices in professional groups ranging from the South Atlantic Modern Language Association to Sigma Delta Pi, the national honorary Spanish society.

Fernandez spends most of his summers in Madrid, Spain, where he has taught for several years in the East Tennessee State University Summer Program. This summer he will direct Clemson's first-ever summer program in Spain. "Students need the practical experience abroad," he says, "to really understand the culture and use of the language."

The challenge for a teacher, Fernandez says, is "to create a good atmosphere between you and your students."

While that "is not always easy," he says, the results are well worth the effort: "The reward for your effort is when you see the student working with the language. It is very satisfying to see your student using the language to be productive in a real-life situation."

### DID YOU KNOW?

From July 1, 1981, through June 30, 1984, there were 25,200 trips made in motor pool vehicles, which traveled 7,221,744 miles, used 433,995 gallons of fuel and averaged 16.64 miles per gallon.

## Clemson, USC, MUSC to lead state in bioengineering field

A new consortium combining the forces of the state's three major universities could help move South Carolina to a leadership position in bioengineering --the science of replacing ailing joints, valves or other human parts with synthetic devices.

Professors and researchers in the bioengineering department here are joining the University of South Carolina and the Medical University of South Carolina to share facilities, equipment and expertise in the Bioengineering Alliance recently approved by the state Commission on Higher Education.

Pooling resources should give all three schools an edge in the competition for federal or industrial research grants, says Andreas von Recum, head of the bioengineering department and director of the alliance.

"Bioengineering is a very interdisciplinary field because it covers such a wide range of expertises, which makes it difficult for one university to do it all," he says. "The alliance will help all of us overcome some of our limitations. We don't have the medical specialists or access to patients, and the medical schools don't have people who specialize in biomaterials or development of prosthetic devices, which is Clemson's strength."

Specifically, the alliance will lead to exchange of faculty, medical interns, residents and graduate students, more joint research efforts, and regular conferences at all three campuses for exchanging ideas and research findings.

Sharing educational resources as well as research facilities will make it easier for medical schools to offer the courses in biomaterials and biomechanics that graduates need to pass specialty board exams, von Recum says.

This type of collaboration isn't just desirable; it's necessary, says Ed Berg, who heads research in USC's department of orthopedic surgery.

"We need an understanding of both the scientific and clinical aspects of joint or valve replacement," he says. "Many errors have occurred in the past because there was insufficient testing of ideas, materials or the implants themselves with engineers before these things were put into human bodies."

From an economic standpoint, the alliance will reduce duplication of efforts and costs at the three institutions, according to John Zemp, dean of MUSC's graduate school and a member of the alliance advisory board.

"The alliance is highly compatible

with the missions of all three universities involved, since it promotes already existing cooperation between engineering, basic sciences and medicine to the benefit of teaching and research in all three programs," Zemp says.

It also could help attract biomedical industries to the state by assuring companies that the state is committed to research and teaching in the field, von Recum says.

"This is a highly desirable industry because it's clean and very labor-intensive," he says. "Most prosthetic devices have to be made by hand."

### 'Notes of a Family' earns nationwide recognition

"Notes of a Family," an original play by Clemson graduate student Angela Elam, has earned national and regional recognition.

Elam's play was selected as the best original play from among works submitted from 10 southeastern states and is also a finalist for the Jane Chambers National Playwriting Award.

The selection, made by judges from the American College Theatre Festival, placed the play in the festival's national competition this month at the University of Florida.

The Chambers' award recognizes the most outstanding original work written for women by a woman and dealing with women's themes.

Jere Hodgin, the play's director, says, "It's a big honor for Angela Elam for her play to receive this kind of recognition and commitment. I also feel it's a big honor for the Clemson Players, since they were competing with drama groups from much larger universities, many of which have graduate programs in drama."

"Notes of a Family," which was per-

formed here in November, is about the relationships among three sisters and their strong-willed mother, who is dying of cancer.

It features Shirley Sarlin as the mother and Elizabeth Hayes, Fran Mellette and Cindy Rogers as the sisters.

Michael Tyler, a senior here, wrote the music.

Elam, a Knoxville native, is a graduate of Clemson with a degree in English and is working on a master's in English. "Notes of a Family" is her first full-length play.

### ETV airs morning Extension program

There's a new program about South Carolina agriculture in the early morning television schedule.

"Clemson Extension," a one-minute show produced by the University, airs weekdays on 11 stations in the S.C. Educational Television network. The show is scheduled at the end of "Farm Day," a 15-minute national farm news-show that begins at 6:30 a.m.

"Clemson Extension" features news and information for commercial farm operators, gardeners and homeowners and is intended for urban consumers as well as farmers.

The program can be seen on ETV stations in Allendale, Beaufort, Charleston, Columbia, Conway, Florence, Greenville, Greenwood, Rock Hill, Spartanburg and Sumter.

### Get yourself tuned up for community band

If you've had an urge to strike up the band but haven't had anyone to share your musical talents with, pick up your trombone and head on over to the band room.

The University's band is sponsoring a community band for anyone who plays a musical instrument. Meetings and rehearsals will be each Monday, 7:30-9 p.m., in the basement of the YMCA. Sheet music will be furnished.

The band will rehearse each week for a spring concert. Call 656-3380 for more information.



The Clemson University Newsletter is published for Joyce Jenkins, an associate professor of home economics, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

## Classified Information



### Answers to Questions from Classified Staff

**Q** Can a University or State employee who occupies a classified position be given a merit increase in excess of 4 percent, if the department has monies available for such an increase?

**A** No. The policy for fiscal year 1984-85 specifies that merit increases shall be limited to a maximum of 4 percent.

**Q** If you have accrued the maximum of 45 days of annual leave, what are the differences in the payout for those days if you retire or if you terminate from state service?

**A** Annual leave policy provides that in case of retirement or death the employee or beneficiary will be paid in a lump sum for all unused days, not to exceed 45, without regard to earned days taken during the calendar year in which the employee retires or dies. In the case of a terminating employee, a lump sum will be paid for all unused days, not to exceed 45, less any earned days taken during the calendar year in which the employee terminates.

**Q** My supervisor has told me on many occasions that my performance exceeds requirements. Why has my position not been reclassified to a higher pay grade?

**A** The performance of each employee is calculated at regular intervals. The purpose of these evaluations is to provide feedback to the employee concerning job performance. On the other hand, reclassification of a position to a higher pay-grade level occurs when the responsibilities assigned to the position undergo changes, resulting in a significantly greater responsibility. The performance appraisal and position classification are separate and unrelated.

(Any further questions regarding the above subjects may be directed to the Personnel Office at 656-2426.)

If you have a question related to University-wide issues of concern to classified employees, you are invited to send it to the Commission on Classified Staff Affairs, P.O. Box 2121, University Station.



**Demonstrating the oscilloscope** --Senior electrical and computer engineering major Tom Nadeau (background) is one of the recipients of the newly established Piedmont Section IEEE awards. While showing Piedmont chairman Dan Flynn around the electronics lab, Nadeau paused for a brief demonstration of the oscilloscope, an instrument that produces a visual display of electron motion.

## Piedmont IEEE endows award for engineering students

In a move unprecedented for an engineering organization, the Piedmont Section of IEEE (Institute of Electrical and Electronics Engineers) has established an endowed awards program in the electrical and computer engineering department here.

The program, which recognizes outstanding undergraduate student members of IEEE, is supported by the first endowment the University has received from an engineering organization, says John Bennett, an associate professor of electrical and computer engineering.

Bennett, who chairs the S.C. Council of the organization and who coordinated the program's development between Clemson and IEEE, says the Piedmont Section started the endowment in 1980 with an initial grant of \$2,500 and increased that amount by \$4,000 last year.

"Since 1984 was our centennial year," he says, "we wanted to celebrate it by making a major contribution to the principal of the award funds, which will go toward reaching our ultimate objective."

That objective, says Bennett, is to create an endowment through contributions and earnings sufficient to cover annually, through investment earnings, one semester's tuition and fees for two rising seniors.

"Until the endowed principal grows to a value that will provide income sufficient to pay a full year's tuition

and fees," he says, "the Piedmont Section will be granting annually on Honors and Awards Day two smaller awards."

Two \$100 cash awards are given to outstanding students, one in electrical engineering and one in computer engineering. These awards are funded from the investment income derived from the endowment principal.

To be eligible for the awards, rising seniors must rank in the upper half of their disciplines as determined by grade point ratio, must be members of IEEE, and must show potential for success in the field of electrical and computer engineering.

Four sections make up the state IEEE, which has a membership of 1,100. About 400 of those members belong to the Piedmont Section, says Bennett.

Much of the success of the endowment, he says, can be attributed to Dr. J.T. "Jim" Long, who conceived the idea, and to other members of the Piedmont Section of the IEEE under the leadership of chairman Dan Flynn and past chairmen Lee Stogner, George Miler and Hal Copenhaver.

"A number of members have done a lot of hard work on this," says Bennett, "with the idea of attracting quality students to electrical and computer engineering and to our program here at Clemson."

The awards are administered in cooperation with the University and the Clemson University Foundation.

## It's time to apply for research awards

The University Research Grant Committee is now accepting applications for the Provost Research Awards.

The University has provided funds for 25 awards at \$2,000 each to stimulate the initiation and completion of research activities.

Any faculty member with a tenured/tenure track faculty title --except 1982, 1983 and 1984 awardees --may make application for an award. No more than one award may be made to an individual within a five-year period.

Funds may be used for any research-related expenditure consistent with state and University fiscal procedures except publication, computer and meeting costs. Funds must be expended within the July-June University fiscal year, and they may be used as salary only during the three-month summer pay period.

Applications for less than \$2,000 will not be considered. All applications will receive a blind, non-peer, review from the grant committee. Compliance with instructions and research objectives, research feasibility and research significance will be major considerations in granting the awards.

The awards will be made before April 15, but expenditure of funds may not be initiated before July 15. Awardees will be required to file a report with the committee covering use of funds, research accomplishments and plans for the continuation or completion of the research.

Application forms and instructions are available in the Office of University Research in E-102 Martin Hall. To request an application or for more information, call that office at 656-2375.

Applications must be received in that office on or before March 1.

## Departmental Notes

Announcements of professional accomplishments of faculty and staff members appear in the last Newsletter of each month.

### AGRICULTURAL EDUCATION

R.J. Mercer (Prof) conducted a one-day workshop on the utilization of micro-computers in education for the teachers of the Dacusville High School.

### AGRONOMY & SOILS

The following presented papers at the annual meeting of the American Society of Agronomy in Las Vegas, Nev., Nov 25-30:

-- J.H. Palmer (Prof) and C.F. Boyer (Prog Anlyst) presented a paper and computer-video demonstration, "Bean-

Aid, a Computer-assisted Soybean Production and Marketing Guide."

-- S.U. Wallace (Asst Prof) presented "Soybean Seed Emergence at High Temperature."

-- E.R. Shipe (Assoc Prof) presented "Serogroup Distribution Among Six Soybean Cultivars," co-authored by P.K.W. Howle (Former Grad Asst) and H.D. Skipper (Prof).

-- J.E. Struble (Ag Sci Assoc and Grad Stu) presented "Influence of Plant Species on Spore Production by Five Vesicular Arbuscular Mycorrhizal Fungi," co-authored by Prof. Skipper.

-- Prof. Skipper presented "Response of Four Soybean Cultivars in Fumigated Microplots to Inoculation With the Vesicular Arbuscular Mycorrhizal Fungus, *Glomus Claroideum*, co-authored by Struble.

Prof. Wallace, E.L. Ramseur (Former Grad Asst) and V.L. Quisenberry (Prof) had a paper, "Growth of 'Braxton' Soybeans as Influenced by Irrigation and Intra-row Spacing," accepted for publication in *Agronomy Journal*.

Profs Wallace, Quisenberry, Palmer and Ramseur published "Yield and Yield Components of 'Braxton' Soybeans as Influenced by Irrigation and Intra-row Spacing" in *Agronomy Journal*.

Profs Wallace and Quisenberry and Ramseur published "Distribution Pattern of Yield Components in 'Braxton' Soybeans" in *Agronomy Journal*.

### BIOLOGY PROGRAM

S. Aneja (Instr), D.J. Stroup (Asst Prof) and S. Miller (Former Assoc Prof) attended the area convention of the National Science Teachers Association in Charlotte, N.C., Nov. 9-10 where Aneja and Prof. Miller presented a workshop, "Microbial Life in the Soil."

### CHEMICAL ENGINEERING

J.M. Haile (Prof) presented an invited seminar, "Internal Structure of a Model Micelle via Computer Simulation," at the Corporate Research and Development Laboratories of the Standard Oil Company of Ohio in Cleveland, Nov. 16.

### CHEMISTRY AND GEOLOGY

D.D. DesMarteau (Prof and Hd) presented four technical lectures at the Shanghai Institute of Organic Chemistry while an invited guest of the Chinese Academy of Science, Nov. 3-17:

-- "The Chemistry of Fluorinated Oxaziridines";

-- "Fluoride Promoted Reactions of Carbon-Nitrogen Multiple Bonds";

-- "Novel Fluorine Compounds Based on Strong Oxidizers";

-- "Xenon-Nitrogen Compounds. A Search for New Xenon-Element Bond Types";

-- "Fluorine Chemistry. Past, Present and Future and My 21 Years in Fluorine Chemistry," Prof. DesMarteau also gave this lecture at the Beijing Institute of Organic Chemistry and visited Fudan University and the Shanghai Institute of Metallurgy.

Prof. DesMarteau is the first American scientist involved in fluorochemical research to be invited to China. China has extensive deposits of the mineral fluorospar, which is the primary source of fluorine for the industrial manufacture of fluorochemicals. China hopes to develop a competitive position in research and production of fluorochemicals.

K. Dill (Assoc Prof), R.D. Carter (Grad Stu), and J.R. Brooks (Grad Stu, Food Sci) published a paper, "<sup>13</sup>C-NMR Spectral Study of Reductively [<sup>13</sup>C] Methylated Glycophorin B," in *Biochimica et Biophysica Acta*, 190 (1984), 285-287.

Prof. Dill and M.E. Daman (Grad Stu) have published a paper, "Predominance of Dipolar Interactions in the Gd<sup>3+</sup>-Selective Line Broadening of Epiinositol by <sup>13</sup>C Nuclear Magnetic Resonance Spectroscopy," in the *Journal of Magnetic Resonance*, 60 (1984), 118-121.

Prof. Dill, R.D. Carter (Grad Stu), R.E. Hardy (Grad Stu), H.K. Lannom (Grad Stu), A.A. Pavia (Prof, Centre Universitaire d'Avignon, France), and B. Ferrari (Res Assoc, CUA) published a paper, "A <sup>13</sup>C N.M.R. Study of the pH Behavior of N-Methylated Model Compounds Related to the N-Terminus of Glycophorins," in the *International Journal of Biological Macromolecules*, 6 (1984) 348-352.

G.T. Tissue (Assoc Prof) received a 20-month, \$32,495 research grant from the U.S. Environmental Protection Agency's Great Lakes National Program Office for "X-Ray Fluorescence Analyses of Air Filters From a Continuous Sampler at Indiana Shoals Tower, Lake Michigan."

Prof. Tissue presented an invited talk, "Impact of Atmospheric Inputs on Surface Water Quality in Lake Michigan," at the International Conference on Atmospheric Deposition, Chicago, Ill., Nov. 27-28.

### CIVIL ENGINEERING

S.C. Anand (Prof) received a \$1,650 travel grant from the National Science Foundation, Washington, D.C., to attend the 6th International Conference on Fracture in New Dehli, India, Dec. 3-10.

### COMPUTER CENTER

The Computer Center Newsletter ranked first place for content in the national ACM SIGUCCS 1984 newsletter contest. This was the fifth year the center's newsletter has ranked in the top three.



## ELECTRICAL AND COMPUTER ENGINEERING

J.W. Lathrop (Prof) presented two papers, "Degradation of Silicon Solar Cells Due to the Formation of Schottky Barrier Contacts," co-authored with Konstantinos Misiakos (Former Grad Stu), and "Assessment of Degradation in Crystalline Silicon Solar Cells Through the Use of an Accelerated Test Program," at the International Photovoltaic Science and Engineering Conference in Kobe, Japan, Nov. 13-16. He visited universities which are engaged in VLSI research, Nov. 19-23.

W.C. Lewis Jr. (Asst Prof) held a seminar, "Architectures for Batch Process Work Distribution," in Los Alamos, N.M., Nov. 25-29.

M.W. Walker (Asst Prof) presented a seminar, "Manipulator Modeling," at General Electric Research Labs in Schenectady, N.Y., Dec. 13-17.

Y.F. Zheng (Vstg Asst Prof) presented a paper, "Kinematic and Dynamic Behavior of Industrial Robots With Spatial Closed-chain Linkage Structure," at the 23rd IEEE Conference on Decision and Control in Las Vegas, Nev., Dec. 11-14.

## ELEMENTARY AND SECONDARY EDUCATION

E.B. Galloway (Alumni Prof) conducted a phonics workshop at Pinecrest Primary School in Greenwood, Oct. 4., and she presented "Vocabulary Enrichment" at The Citadel Reading Conference in December.

Prof. Galloway is a member of the following: the Selection Committee for State Coordinator for the S.C. Council of I.R.A., 1984-85; the Advisory Committee, Adult Education, Greenville Technical College, 1984-85; and the Policy Handbook Committee for the S.C. Council IRA, 1984-85.

R.P. Green (Assoc Prof) gave an invited presentation, "The Historian's Craft: Thinking Skills in the U.S. History Classroom," at the Florida Council for the Social Studies Annual Conference in Sarasota, Fla., Oct. 19.

Prof. Green presented "Teaching U.S. History" to social studies educators of Knox County, Tenn., Oct. 25.

Prof. Green published "The Historian's Craft" with R. Coviello in *The Social Science Record*, Vol. 21, #2 (Fall 1984).

Prof. Green gave an invited presentation, "Teaching Reading in the Social Studies," at the S.C. Council for the Social Studies Conference at Converse College, Nov. 3.

R.E. Jenkins (Assoc Prof) gave a talk on "Staff Involvement in School Facilities Planning" at the Abbeville School District Board of Trustees meeting, Nov. 27.

## ENGINEERING TECHNOLOGY

The department has received a \$3,800 matching grant from SME (Society of Manufacturing Engineers) to develop the process controls and instrumentation laboratory. T.H. Oswald (Assoc Prof) secured the grant, and the funds were used to purchase digital process control equipment and for faculty development activities.

The department received eight Hewlett-Packard HP85B desktop computers under a grant proposal submitted by Prof. Oswald. The new equipment, valued at more than \$30,000, will be used in the process controls laboratory and the automated manufacturing technology laboratory. The computers will be available to students for solving problems associated with these areas of technology.

## ENGLISH

B.K. Duffy (Assoc Prof) attended an NEH summer seminar, "Ciceronian Rhetoric and Its Influence on Modern Writing," at the University of California-Davis, June 18-Aug 10.

Prof. Duffy and S. Duffy (Asst Prof) published "Fundamentalism, Liberal Education and Freedom of Speech: An Issue for the Public Speaking Instructor" in *Communication Education*, 33 (1984), 309-16.

Profs. Duffy read "Anti-Nazi Drama in the United States, 1934-41," and Prof. B. Duffy read "The Speech Professional in an English Department" at the 70th annual meeting of the Speech Communication Association in Chicago, Ill., Nov. 4.

Prof. B. Duffy chaired "Rhetoric in the English Department" at the Carolinas Speech Communication Association Convention in Clemson, Sept. 25. Profs. S. Duffy and B. Duffy served as local arrangements co-chairpersons for the convention.

D. Goswami (Assoc Prof) is directing a series of seminars for teams of university and public school faculty at the Maryland Writing Research Institute. She attended a meeting of project directors whose research is sponsored by the Fund for the Improvement of Postsecondary Education in Washington in November.

Prof. Goswami presented papers on the connections between writing and critical thinking at the University of New Hampshire and Winthrop College. She has been invited to serve on the steering committee of the University of Michigan's Writing Research Group.

G.W. Koon (Prof and Hd) has been appointed to the Executive Committee of the S.C. Committee for the Humanities. He gave the Fall Honors Day address at Newberry College.

W.J. McCormack (Vstg Prof) has

published four collections of poetry since 1980 under the pseudonym Hugh Maxton. His latest collection, *The Enlightened Cave*, was published in Washington, D.C., last year.

Prof. McCormack last fall was elected a member of *Aosdana*, an association which honors artists engaged in literature, music and the visual arts who have made an outstanding contribution to the arts in Ireland.

D.C. Tillinghast (Assoc Prof) judged a poetry contest, read "In Defense of the First Person Singular," and gave a poetry reading for the Anderson Writers' Guild in Anderson, Oct. 8-9.

## EXTENSION SERVICE

J.G. Alphin (Prof, Ag Eng, Pee Dee Sta) has been named S.C. Distinguished Agricultural Engineer for 1984 by the state chapter of the American Society of Agricultural Engineers. The society cited Alphin's work in economical harvesting and energy-saving curing of flue-cured tobacco, the state's top cash crop.

J.H. Jenkins (Assoc Prof) participated in the 1984 Technical Conference of the College Educators in Household Equipment in Chicago, Ill., Oct. 10-12. She was elected president-elect of the organization for the 1984-86 team and will serve as president from 1986-88.

Prof. Jenkins received a superior performance award for outstanding work to develop and implement educational programs to improve family life. The programs she has developed on skillful shopping, money management for preschoolers and in-service training programs for home economics professionals have been used in several other states.

Prof. Jenkins is credited with much of the effort that went into the revitalization of the 4-H Amp Camp program that teaches young people about electricity.

J.S. Jones (Chrm, Abbeville Co) received the County Agent of the Year in Forestry Award, presented annually by the S.C. Forestry Association and the Southern Forest Institute for outstanding service in forestry education.

Jones publishes a quarterly newsletter for 600 forest landowners and is working on a firewood referral service that will bring together landowners who have waste wood with people who want to cut firewood.

Jones helped establish an integrated pest management demonstration program and has set up a five-part forest regeneration demonstration between Abbeville and Due West.

N.K. Howell has been appointed chairman in the Savannah Valley District and W.P. Yates was named to the Pee Dee District. The chairmen will coordi-

(Continued on page 6.)

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nate the activities of Extension chairmen and agents in counties in their districts as they plan and implement educational programs in agriculture, home economics, community development and 4-H.

D.M. Waddell (Adm Spec) has been honored for outstanding service for her contributions to the Extension Service and the people of Abbeville County.

## FORESTRY

G.R. Askew (Asst Prof) and T.M. Williams (Assoc Prof) published "Sediment Concentration From Intensively Prepared Wetland Sites" in *Southern Journal of Applied Forestry* 8(3): 156-157.

S.W. Cobb and T.D. Astriab (Former Grad Assts) and R.E. Schoenike (Prof) published "Early Cone Collection and Postharvest Treatment Comparisons in a South Carolina Loblolly Pine Seed Orchard" in *Tree Planters' Notes* 35(3):12-14.

J.R. Davis (Grad Asst), A.F. von Recum (Hd, Bioeng), D.D. Smith (Surg Tech) and D.C. Guynn (Prof) published "Implantable Telemetry in Beaver" in *Wildlife Society Bulletin* 12:322-324.

J.K. Edwards (Former Grad Asst) and Prof. Guynn published "Utilization of Woody Vegetation by Beaver Within the South Carolina Piedmont" as Clemson University Department of Forestry Bulletin No. 42.

D.L. Ham (Assoc Prof) and G.D. Hertel (U.S. For Serv) published "Integrated Pest Management of the Southern Pine Beetle in the Urban Setting" in *Journal of Arboriculture* 10(10):279-282.

R.A. Harris (Assoc Prof) presented a paper, "Summary of Research Results in Radio-Frequency/Vacuum Drying of Wood," at the North American Drying Symposium in Starkville, Miss.

J.L. Haymond (Instr) gave a talk, "Herbicide Labels - What They Do and Don't Tell you," in a Herbicides in Forestry short course at the Georgia Center for Education, Dec. 4-5.

D.D. Hook (Prof) published "Water-logging Tolerance of Lowland Tree Species of the South in the *Southern Journal of Applied Forestry* 8(3):136-149.

D.N.-S. Hon (Assoc Prof) and S.T. Chang (VPI&SU) published "Surface Degradation of Wood by Ultraviolet Light" in *Journal of Polymer Science* 22:2227-2241.

Prof. Hon published "ESCA Study of Oxidized Wood Surfaces" in *Journal of Applied Polymer Science* 29:2777-2784.

C. Karpinski (Res For), R.L. Hedden (Prof), R.P. Belanger (U.S. For Serv) and T.S. Price (Ga For Comm) published "Guidelines for Managing Pine

Bark Beetles in Georgia" as Georgia Forestry Commission Publication 235-1.

D.H. Van Lear (R.A. Bowen Prof), J.B. Waide (U.S. For Serv) and M.J. Teuke (Former Grad Asst) published "Biomass and Nutrient Content of a 41-year Old Loblolly Pine Plantation on a Poor Site in South Carolina" in *Forestry Science* 30(2):395-404.

Prof. Van Lear and B.L. Barber (Former Grad Asst) published "Weight Loss and Nutrient Dynamics in Decomposing Woody Loblolly Pine Logging Slash" in *Soil Science Society of America Journal* 48(4):906-910.

R.E. Schoenike (Prof) published "The Role of *Dryas drummondii* in Plant Succession in Newly Deglaciated Terrain at Glacier Bay" in *Proceedings of the First Glacier Bay Symposium*, Glacier Bay National Park, Sept. 23-26, 1983.

F.H. Tainter (Prof), S.W. Fraedrich (Grad Asst) and J.D. Benson (Res For) published "The Effect of Climate on Growth, Decline and Death of Northern Red Oaks in the Western North Carolina Nantahala Mountains" in *Castanea* 49:127-137.

R.C. Whiteside (Miss St Univ), Prof Guynn and H.A. Jacobson (Miss St Univ) published "Characteristics and Opinions of Mississippi Deer Hunters Using Public Areas" in the *Proceedings of the annual conference of the S.E. Association Fish and Wildlife Agencies*, 35:167-173.

Prof. Van Lear and D.R. Phillips (U.S. For. Serv) published "Biomass Removal and Nutrient Drain as Affected by Total Tree Harvest in Southern Pine and Hardwood Stands" in *Journal of Forestry* 82:547-550.

Prof. Van Lear, S.M. Jones (Res For) and S.K. Cox (Res For) published "A Vegetation Landform Classification of Forest Sites Within the Upper Coastal Plain of South Carolina" in *Bulletin of the Torrey Botanical Club* 111(3):349-360.

Prof. Van Lear, Cox and M.K. Augspurger (Res For) presented a poster display, "Forest Management Effects on Nutrient Status of Forest Sites," at the Soil Science Society meeting in Las Vegas, Nev.

Prof. Van Lear and R. Zahner (Prof) presented invited lectures on forest site classification to the annual meeting of Westvaco Corporations' research foresters in Summerville.

Prof. Van Lear was elected to the steering committee of the Southern Forest Soils Council.

The following presentations were made at the Third Biennial Southern Silvi-Cultural Research Conference in Atlanta, Ga., Nov. 7-8:

-- "Biomass and Nutrient Content of Regrowth Following Clearcutting Lob-

lolly Pine Stands in the Piedmont" by Cox and Prof. Van Lear;

-- "Microsite Variation Affects Seedling Height in the Piedmont of South Carolina" by Augspurger, G. Kellogg (Former Grad Asst), W. McDade (Grad Asst) and Prof. Van Lear;

-- "Water Quality Changes Associated With Draining and Pine Plantation Establishment" by Prof. Askew and T.M. Williams (Assoc Prof);

-- "Regeneration Alternatives for Coastal Plain Bottomland Hardwood Stands" by C.A. Gresham (Asst Prof);

-- "Legume Interplanting Reduces Growth of Young Loblolly Pine on Eroded Piedmont Sites" by L.E. Nix (Assoc Prof);

-- "Early Results of Oak Enrichment Plantings in Bottomland Hardwoods of South Carolina" by Prof. Nix, J.L. Haymond (Instr) and W. Woodrum (Former Grad Asst);

-- "Thinning From Below Affects Girard Form Class and Final Volume of Loblolly Pine Plantations" by A.T. Shearin (Asst Prof), Prof. Nix and R.T. Collins (Former Grad Asst);

-- "Cultural Treatments in Low-Quality Hardwood Stands for Wildlife and Timber Production" by T.M. Waldrop (Res Assoc).

## INDUSTRIAL EDUCATION

C.H. Isbell (Asst Prof) presented "Industrial Arts/Technology Education in South Carolina: A Status Report" at the Southeastern Industrial Arts Conference in Knoxville, Tenn., Oct. 12.

The following presented papers at the American Vocational Association Conference in New Orleans, La., Nov. 30-Dec. 4:

Prof. Isbell and G.G. Lovedahl (Assoc Prof) presented "Status '84: Industrial Arts in South Carolina"; and D.G. Tesolowski (Assoc Prof) and G.L. Roth (Assoc Prof, N. Ill Univ) presented "Applying Microcomputers in Vocational Education: A Competency-Based Resource Guide" and "Teaching Smarter With Microcomputers."

## INDUSTRIAL ENGINEERING

J. Haddock (Asst Prof) presented a paper, "Applications of Multi-Objective Programming in Energy Planning," at the ORSA/TIMS national meeting in Dallas, Texas, Nov. 26-28.

Prof. Haddock moderated two sessions (sponsored by the Operations Research Division) at the fall conference of the Institute of Industrial Engineers in Atlanta, Ga. Prof. Haddock is the international chairman of the O.R. Division.

Also at that conference, W.J. Kennedy Jr., P.E. (Prof) presented a paper, "Research Issues in Energy Management." Prof. Kennedy, director for professional

registration for the IEE, is responsible for developing the professional engineering examination in industrial engineering.

Prof. Kennedy gave a presentation, "Cost-Effective Engineering of Maintenance Systems," at the annual International Maintenance Conference in Detroit, Mich., Dec. 3-4.

C.R. Lindenmeyer (Prof) and M. Sykes (Sun Health) had an article, "Computer-Aided Work Sampling: Description and Application," published in *Computerized Work Measurement*, a collection of articles and conference proceedings published by the Industrial Engineering and Management Press, Institute of Industrial Engineers (1984).

## LANGUAGES

M.M. Sinka (Assoc Prof) published "Journey Through Germany: Simulating Tourist Experiences in the Conversation and Composition Course" in *Unterrichtspraxis*, XVI, 2 (Fall, 1983), 212-222.

Prof. Sinka gave a workshop on "Conversation and Composition Activities Pertaining to Travel" at the Greenville Association of Foreign Language Teachers, Oct. 13.

Prof. Sinka was guest editor of the *Schatzkammer*, Vol. 1 (Spring, 1984) issue on Berlin. She wrote the introduction to the issue (X-XII) and a teaching unit on Berlin (57-60).

Prof. Sinka was one of eight U.S. German professors chosen by the Goethe Institute of New York for an all-expenses paid session in Houston, Texas, Nov. 28-Dec. 3 to prepare pedagogical publications for the German governmental cultural and pedagogical organization Inter Nationes. Prof. Sinka, D. Brett (N Ky Univ) and R. DiDonato (MIT) will prepare a booklet on "American Stereotypes of Germany and Germans."

Prof. Sinka in the fall was appointed consulting editor of the *Schatzkammer*.

Prof. Sinka chaired the South Atlantic Modern Language Association German II Session (Literature from 1750-1933) on "Narrative Technique in the Novel" at the 1984 SAMLA Convention in Atlanta, Ga., Nov. 8.

Prof. Sinka presented "Travel Literature in Intermediate German Reading Courses" (essays, poems, prose) at the annual convention of the American Association of German Teachers in Chicago, Ill, Nov. 17.

## LIBRARY

M.F. Kohl (Sp Col Hd) chaired a session, "Archives in the Pre-Modern World," at the annual meeting of the Society of American Archivists.

Kohl gave a presentation on "Librarians and Collectors as Unintentional

Enemies of Books" at the fall meeting of the Southeastern Bibliophile Society held here.

Kohl presented a workshop session, "The Creation, Management and Preservation of Tape Recordings," at the fall meeting of the Society of Georgia Archivists in Atlanta, Ga., Nov. 15-16.

Also at that meeting, M.N. Sly (Asst Lib; Arch) led a workshop, "Managing Large Collections: Is Sampling a Viable Technique?" Sly has been appointed associate editor of *Provenance*, the journal of the Society of Georgia Archivists.

## MANAGEMENT

J.K. Butler Jr. (Assoc Prof) and R.S. Cantrell (Asst Prof) published "A Behavioral Decision Theory Approach to Modeling Dyadic Trust in Superiors and Subordinates" in *Psychological Reports*.

W.H. Hendrix (Assoc Prof) had a manuscript, "Determinants of Intent to Remain With Present Organization," accepted for publication in the *Personnel Selection and Training Bulletin*.

C.W. McNichols (Prof), T.R. Manley (Fla Inst of Tech) and J.E. Gochenoner (Harris Corp) published "A Study of Student Attitudes Toward Microcomputer-Based Productivity Tools and Success in Their Application" and "An Empirical Evaluation of Factors Influencing Acceptance of a Decision Support System" in the *Proceedings*, (1984) Southern Management Association Meeting.

M.J. Stahl (Prof and Hd) presented a paper, "Identifying Managerial Motivation Among Scientists and Engineers: An Assessment of Achievement and Power Motivation," at the Southern Management Association meeting in New Orleans, La., Nov. 17. The paper appears in the refereed *proceedings*.

## MATHEMATICAL SCIENCES

J.D. Fulton (Prof) published an article, "High School Math Teachers Are Underpaid," in the *SIAM News*, the bimonthly newspaper of the Society for Industrial and Applied Mathematics (November 1984).

R.E. Jamison (Prof) gave the following presentations:

-- "Schatten and Kikörper: Neues Licht auf einem alten Satz von Helly" at the Albert-Ludwigs-University of Freiburg, Nov. 6;

-- "Das Richtungsproblem in der Ebene" at the Technical University of Braunschweig, Nov. 16;

-- "Local Convexity in Graphs" at the Bielefelder Combinatorics Conference at the University of Bielefeld, Nov. 20-22;

-- "Der Durchschnittssatz von Helly und seine Verallgemeinerungen" at the University of Oldenburg, Nov. 23.

W.F. Moss (Assoc Prof), S. Demko (Ga Tech) and P.W. Smith (Old Dominion Univ) published a paper, "Decay Rates for Inverses of Band Matrices," in *AMS-Mathematics of Computation*, Vol. 43, No. 108 (October 1984) 491-499.

R.D. Ringeisen (Prof) published a paper, "On Cycle Permutation Graphs," in *Discrete Mathematics* Vol. 51 (265-275).

The following presented papers at the national meeting of ORSA-TIMS in Dallas, Texas, Nov. 25-27:

-- W.P. Adams (Asst Prof) presented "Mixed-Integer Bilinear and Zero-One Quadratic Programs" written with H. Serali (Assoc Prof).

-- P.M. Dearing (Assoc Prof) presented "Location Problems and Totally Balanced Matrices" and "Vertex Packing and Comparability Subgraphs;" and

-- R. Laskar (Prof) presented "Algorithms for Finding Strongly Stable Sets in Trees" written with S. Hedetniemi (Prof, Univ. of Oregon) and K. Ohtani (Ex-Grad Stu).

## NURSING

M.A. Kelly (Assoc Prof) presented "Nursing Diagnosis Update" at the S.C. Nurses Association Biennial Convention in Greenville, Oct. 25-26.

Also at that meeting, S.E. Barger (Asst Prof and Dir, Nurs Ctr) presented "Nurse Managed Centers: A New Song From an Old Tune."

## MECHANICAL ENGINEERING

R.S. Figliola (Asst Prof) presented a paper, "Buoyancy Driven Motion and Heat Transfer Within a Vertical Cylinder," ASME HTD-Vol. 39, at the symposium on natural convection in enclosures during the ASME winter annual meeting in New Orleans, La., Dec. 12-13.

Also at that meeting, C.E.G. Prziembel (Prof and Hd) organized and moderated a session, "In Search of Excellence - the Impact of Current Industry Programs on Engineering Education." The session also provided a forum for N.P. Suh (Asst Dir for Eng, NSF) to present his views on the "Future Directions in Engineering Research Supported by the National Science Foundation."

T. Yang (Prof) and F. Ntone (Grad Asst) presented a paper, "Inverse Design of Axisymmetric Flow Passages Using Compressible, Viscous Flow Theory," at the International Conference on Inverse Design Concepts in Engineering Sciences in Austin, Texas, in October. The paper will be published in the *Communications in the Applied Numerical Methods*.

Prof. Yang presented a paper, "An Investigation of High Performance, Short Thrust Augmenting Ejectors," at

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the ASME winter annual meeting in New Orleans, La., in December. The paper was written with Ntone, J. Tong (Vstg Sch) and D.R. Pitts (Prof and Chrmn, M.E. and Arosp Dept, Univ of Tenn).

#### **PARKS, RECREATION AND TOURISM MANAGEMENT**

L.W. Gahan (Prof) was named "Professional of the Year" by the S.C. Recreation and Park Society. The award is given annually to the person who exemplifies professional involvement and leadership at the state and national levels.

R.L. Howell (Asst Prof) received his Doctor of Environmental Design and Planning Degree from Virginia Tech in December. His dissertation is titled "A Methodology for the Design and Development of a Model Statewide Emergency Language Bank."

T.D. Potts (Asst Prof) published "Economic Impact and Entry Decision Characteristics: Hilton Head Billfish Tournament" as an Extension research report.

J.L. Stevenson (Prof and Dir, Honors Prog) presented a paper, "Education for Leisure: An Honors Challenge," to the National Collegiate Honors Council meeting in Memphis, Tenn., Oct. 24-28. The paper, researched with F.A. McGuire, compared leisure activities and interests among honor students and among scholarship athletes on the university campus.

Prof. Stevenson led an invited workshop on "Personal and Professional Development" during the S.C. Recreation and Park Society annual conference at Myrtle Beach, Nov. 18-20.

#### **PHYSICS AND ASTRONOMY**

P.B. Burt (Prof and Hd) visited the University of Kent, England, Nov. 11-18 to do research with J.S.R. Chisholm (Prof, Univ. of Kent). The visit was partially supported by a NATO grant.

A.L. Laskar (Prof) presented a talk, "Point Defects in Ionic Solids," at Emory University in Atlanta, Ga., Nov. 29.

J.R. Ray (Prof) was an invited participant at the Rahman Festschrift meeting at Argonne National Laboratory, Nov. 11-12. The meeting was held to recognize the accomplishments of Dr. Anecsur Rahman in the field of computer simulation studies of matter.

#### **PLANNING STUDIES**

J.R. Caban (Assoc Prof) has been appointed acting head of the department. Before he came here in 1979, he held a private practice in architecture

and city planning in Puerto Rico.

B.C. Nocks (Assoc Prof) and E.D. Wynn (Assoc Prof, Ag Econ Ext) presented a paper, "Implementing a Community Development Plan in a Rural Area: A Case Study of a Student Project," at the annual conference of the Association of Collegiate Schools of Planning in New York, N.Y., Oct. 21.

Prof. Nocks presented two papers, "Statewide Implementation of a Demonstration CLTC Project: Lessons and Opportunities" and "Costs and Effectiveness of Community Services for Health Impaired Elderly," at the annual Scientific Meeting of the Gerontological Society of America in San Antonio, Texas, Nov. 16-20.

#### **PLANT PATHOLOGY AND PHYSIOLOGY**

J.A. Appel (Former Grad Res Asst) and S.A. Lewis (Prof) published an article, "Pathogenicity and Reproduction of *Hoplotaimus columbus* and *Meloidogyne incognita* on 'Davis' Soybean" in the *Journal of Nematology* 16, 4 (1984) 349-355.

Prof. Lewis chaired the fifth annual meeting of the Southern Regional Research Project, S-154, at Daytona Beach, Fla., Nov. 5-9. The group of researchers discussed their work on the variability and population dynamics of root-knot and cyst nematodes.

L.W. Baxter Jr. (Prof) published a paper, "Diseases of Camellias," in *The Camellia Journal*, Vol. 39(4):18-24.

#### **POLITICAL SCIENCE**

M.A. Morris (Assoc Prof) presented a paper in Spanish, "Maritime Conflicts in Latin America," at the conference "Seguridad Regional y Paz en America Latina" sponsored by El Instituto de Estudios Internacionales de la Universidad de Chile in Vina del Mar, Chile, Nov. 19-22.

Prof. Morris presented in Spanish a lecture, "Tendencias Actuales de Politicas Antarticas," at El Instituto de Diplomacia y Ciencias Internacionales de la Universidad de Guayaquil Dec. 4.

Prof. Morris published a paper, "Controlling Latin American Conflict," in the Working Paper Series of the Strom Thurmond Institute, Clemson University (November 1984).

#### **PSYCHOLOGY**

T.R. Alley (Asst Prof) presented "Facial Attractiveness From Early Childhood to Young Adulthood: A Longitudinal Study" at the 23rd International Congress of Psychology in Acapulco, Sept. 2-7.

F.C. Dane (Asst Prof) presented "Looking for Consulting With One

Foot in Academia" at the fall convention of the S.C. Psychological Association in Myrtle Beach, S.C., Sept. 28-29.

Also at that meeting, N.R. Schults (Assoc Prof), L.I. Park (Assoc Prof) P.A. O'Connor (Asst Prof), E.G. Brainerd (Assoc Prof) and S.N. Cole (Prof) conducted a workshop on "Issues in Stress Management Research."

Prof. Park conducted a seminar on stress management for the American Press Institute at Reston, Va., Oct. 26.

Prof. Park gave an invited presentation, "Understanding and Managing Stress," at the annual management meeting of Boone Newspapers Inc. in Tuscaloosa, Ala., Oct. 20.

J. Dolce (Univ of Ala) and J.K. Thompson (Asst Prof) presented "Objective Assessment of Body Distortion in Seven Eating Disorder Subgroups" at the 18th convention of the Association for the Advancement of Behavior Therapy in Philadelphia, Pa., Nov. 1-4.

M. Reinhart (Mich St Univ) and D.D. Moore (Asst Prof) presented "Persistent Error in the Measurement of Adolescent Self-Consciousness" at the 92nd convention of the American Psychological Association in Toronto, Aug. 24-28.

R.A. Marcon (Asst Prof) presented "Behavioral Correlates of Spontaneous Bleeding in Juvenile Hemophilia: Preventative Possibilities" at the 92nd convention of the American Psychological Association in Toronto, Aug. 24-28.

Prof. Marcon presented "Hemophilia Camp: Does a Week Away From Home and All That Glorious Freedom to Run, Jump and Trip Increase Bleeds?" at the 18th convention of the Association for the Advancement of Behavior Therapy in Philadelphia, Pa., Nov. 1-4.

#### **SOCIOLOGY**

D.K. Sturkie (Asst Prof) published a chapter, "Adolescent Abusing Family: A Cognitive-Family Approach to Practice," in *Creative Change* edited by H. Goldstein (Tavistock Publications, New York, 1984).

#### **TEXTILES**

H.M. Behery (Prof) gave the following papers at the Technical Symposium presented to the Shanghai Textile Industry Bureau, Shanghai, People's Republic of China, Oct. 8:

-- "The Competitive Situation in the Textile World";

-- "Latest Developments in Shuttleless Looms";

-- "Applications of Non-Woven Fabrics in Geotextiles"; and

-- "Applications of Computers in the Textile Industry."

JAN 30 1985



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

Feb. 1-8

February

28

S	F	T	W	T	F	S
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3	4	5	6	7	8	9
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17	18	19	20	21	22	23
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**LECTURES**

- 5 "A Conversation With the High Priest of Coosa" by Charles Hudson, a professor of anthropology at the University of Georgia. Sponsored by history department, 4 p.m., 200 Hardin Hall, reception to follow in Room 202. Call 656-3153 for more information.
- 7 Lecture by John Blassingame, a historian from Yale University. Sponsored by Speakers Bureau and PAMOJA in observance of Black History Month, Lyles Auditorium, Lee Hall, 8 p.m., reception to follow in Lee Hall Gallery. Open to public, free. Call 656-2461 for more information.
- 6 English Hour Lecture: Best English Graduate Student Paper for 1984. Sponsored by English department, 108 Strode Tower, 3:30 p.m. Open to public. Free. Call 656-3151 for more information.

**MUSIC AND FILMS**

- 5 Film: "The Mechanical Paradise," No. 1 in the film series "The Shock of the New." Sponsored by visual arts and history department, Lyles Auditorium, Lee Hall, 4:30 p.m. Free. Call 656-3081 for more information.
- 5 Chamber Music Series: Thaddeus Brys, music for cello and piano. Sponsored by music department, Daniel Hall Auditorium, 8 p.m. Open to public. Free. Call 656-3043 for more information.
- 6 Film: "The Man With Two Brains." Sponsored by Five Directions Cinema, Y-Theater, \$2, 7:30 p.m. Call 656-3109 or 656-3151 for more information.
- 6 Black Music Film Series: "Blues According to Lightin' Hopkins" and "Give My Poor Heart Ease." Sponsored by Student Life and Film and Video Committee in observance of Black History Month, Edgar's, 8 and 9:30 p.m. Free. Call 656-2153 for more information.

**SPORTS**

- 1 Wrestling: North Carolina, here, 7 p.m.
- 2 Basketball: Delaware State, men, here, 5 p.m.
- 2 Basketball: Georgia State, women, here.
- 2 Swimming: South Carolina, women, noon; men, 3 p.m.

**OTHER EVENTS**

- 2 Graduate Record Exam. Sponsored by Counseling and Career Planning Center, 8 a.m.-5 p.m. Call 656-2451 for more information.
- 2 Pharmacy College Admissions Test. Sponsored by Counseling and Career Planning Center, 8 a.m.-noon. Call 656-2451 for more information.

# THE EVENTS

The events of the day were marked by a series of significant occurrences. In the morning, the weather was clear and bright, providing a favorable backdrop for the activities. The first major event took place at the local stadium, where a large gathering of spectators witnessed a historic performance. The audience was captivated by the skill and energy of the participants, who delivered a truly memorable show.

Following the performance, the focus shifted to a community meeting held in the town hall. The meeting was attended by a diverse group of residents, all of whom were eager to discuss the implications of the day's events. The speaker provided a detailed overview of the situation, highlighting the challenges and opportunities ahead. The attendees engaged in a lively discussion, sharing their thoughts and concerns. The meeting concluded with a unanimous decision to support the proposed plan, demonstrating the community's strong sense of unity and shared purpose.

In the afternoon, the events continued with a series of smaller-scale activities. A local festival was held in the park, featuring a variety of stalls and performances. The atmosphere was festive and joyful, with people of all ages enjoying the day. The festival was a great success, raising funds for a local charity and providing a much-needed boost to the community's morale.

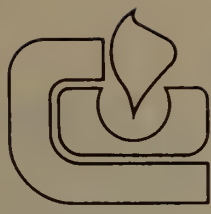
As the day drew to a close, the events were reflected upon with a sense of accomplishment and pride. The community had come together to face a challenge, and their collective efforts had resulted in a positive outcome. The events of the day were a testament to the power of community and the importance of working together to achieve our common goals.

- Through Feb. 26 "Slim Living," an approach to weight control. Sponsored by YMCA, Tuesday, 6-7 p.m., YMCA Center. Call 654-2361 for reservations.
- Through March 7 "Feeling Great," a program of aerobic dance, fitness and fun for first through sixth graders. Sponsored by YMCA, Tuesday and Thursday, 3-4 p.m., YMCA recreation gym. Call 654-2361 for more information.
- Through March 15 "Dancin' Aerobics." Sponsored by YMCA, morning class: Monday-Friday, 9-10 a.m., YMCA recreation gym; afternoon classes: Monday, Wednesday, Friday, 5:20-6:20 and 6:30-7:30, and Tuesday, Thursday, 5:30-6:30 p.m., at YMCA Center. Call 654-2361 for more information.
- Continuous "Men's Fitness." Sponsored by YMCA, Monday, Wednesday, Friday, 12:10-12:50, YMCA Center. Call 654-2361 for more information.
- Continuous "Jazzercise." Sponsored by YMCA, YMCA Center, Monday and Wednesday, 5:30-6:30 p.m. and Thursday, 6-7 p.m. Call 654-2361 or 656-2460 for more information.
- Through April "Akido," a coed martial arts program of instruction and practice, taught by a certified Black Belt instructor. Sponsored by YMCA, YMCA Center, Monday and Wednesday, 8-10 p.m. Call 654-2361 or 656-2460 for more information.



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# Newsletter

FEB 6 1985

February 6, 1985  
Vol 24 No 21

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY



Employees link up -- People are "linking up" across the University to join the computer users group organized last summer by Carol Boyer and Pat Edmunds. The organization is now open to all employees, and these LINKUP volunteers invite you to join them. L-R: Eric Holsten, Edmunds, Gerrie Russo, Mike Marshall and Boyer.

## They bring computer users together through LINKUP

Listen to Carol Boyer and Pat Edmunds talk about how to start a volunteer organization and you come away thinking it's all very simple. "Pick a date and time for your first meeting, invite three people, and just sit back and watch it start rolling," they say. The "Edmunds-Boyer Technique for Organizational Planning" you might think is simple, and it seems to have worked pretty well. The first LINKUP meeting was held last August, when about 50 people showed up -- experienced computer users and novices alike -- for the first meeting of LINKUP, a computer users group created to open lines of communication between computer users in the colleges of forestry and agricultural sciences. The idea for the organization started when Boyer, a programmer/

analyst in the agronomy department, met Edmunds, a computer programmer in agricultural economics and rural sociology. Each of them, says Edmunds, had seen a need "to get people working with computers to talk about them and share information."

Further, adds Boyer, "since we both are answering questions all the time from computer users, we thought, 'Why not, through the meetings, tell a lot of people at once, rather than just one person at a time?'"

"So we made up a proposed list of goals for the meetings and gave it to Dean Chapman (Steve Chapman, associate dean of agricultural sciences), and everything just evolved nicely."

The "everything" did tend to mount up, however. Planning the first programs (LINKUP meets twice monthly), recruiting volunteers to share their expertise, publicizing the meetings and publishing the biweekly LINKUP news-

letter, "Interface," all added about 10 or more hours weekly to Edmunds' and Boyer's jobs.

But all the extra hours paid off when, after the second meeting, the group swelled in numbers and had to move from Lehotsky to the auditorium of the P&AS Building. The determination of Boyer and Edmunds to keep the meetings loose, informal and un-intimidating to new users of computers may have played a key role in the success of the sessions.

Helping the novice become comfortable with computer vocabulary and computer manuals is one of the goals Boyer and Edmunds have for LINKUP, and they say they can probably do this better by keeping the atmosphere of the meetings friendly and informal.

"I think the novices who come to the meetings appreciate the spirit of adventure in the whole thing," says Edmunds. Boyer agrees: "It's like, 'Hey, we're all in this together. There's no such thing as a dumb question.'"

Yet, it's not only novice computer users who go to the meetings. The group of 75 to 100 members is made up of faculty at every level and all types of classified employees, including word processor operators, staff assistants, secretaries and programmers.

Meeting activities have ranged from vocabulary building presentations and hands-on sessions to the examination

(Continued on page 2.)

## Sauna is waiting for you at Fike Recreation Center

"It's something people have been asking for a long time," says Banks McFadden, director of intramurals.

And now it's here -- a 12-by-12 sauna -- ready and waiting for you at Fike Recreation Center.

The sauna is open and supervised Monday-Thursday, 12-2 p.m. and 4-6 p.m., and Friday, noon-2 p.m.

"The hours are subject to change," says McFadden, "depending on demand. If people want it open more, we'll open it more."

Instructions for using the sauna are posted in Fike. Call 656-2116 for information.

(Continued from page 1.)

of data bases and statistical packages.

"We have layers of experience now," says Edmunds, "new users as well as old hands, and these groups will be dividing and subdividing. Actually, the needs of the participants usually determine the format of the meeting."

Boyer adds that since LINKUP activities are open to volunteers, everyone who comes to a meeting is welcome to join the organization and help shape its future. In fact, she and Edmunds are becoming well-known for an old technique of recruiting volunteers: When someone requests a particular topic for a meeting, the response is likely to be "Great idea, you're in charge!"

Armed with that technique, they recently doubled their "staff" to four when Gerrie Russo, a data control clerk from agricultural chemical services, and Eric Holsten, a forester, signed on as permanent help. Add to that a volunteer cartoonist for the newsletter -- Mike Marshall, a computer programmer in forestry -- and regular contributions from the Computer Center staff, and LINKUP has grown in its support to the point where it now is opening its meetings to the campus at large.

Associate Dean Chapman says of the group: "I endorse it absolutely. I think the turnout shows they continue to have good programs that are worthwhile, and it's clear they've put some teeth into it."

LINKUP meets on the first and third Fridays of each month, (2-3:30 p.m., P&AS auditorium), and newsletters are timed to come out on the second and fourth Fridays to summarize meeting activities and help keep people up-to-date with computer information and software available around campus.

If you would like more information on the LINKUP meetings, or if you are interested in volunteering to help with those meetings, call Boyer at 656-3102 or Edmunds at 656-2396.

## Late starters' route to ROTC is Basic Camp

Life in Army ROTC can begin as a junior, with the help of the Army's Basic Camp, says Lt. Col. James Griffin, a professor of military science.

"Some of our best cadets come to us by way of the ROTC Camp," says Griffin. "But the pressures of beginning college get the full attention of a great many students, and they don't get around to making a decision on Army ROTC until they think it's too late."

However, it's not too late, he says, because since 1964 the Army has offered students who transfer from community colleges a way to enroll.

"We call it Basic Camp," he says. "It's a six-weeks course of training at Fort Knox, an introduction to the Army and soldiering."

The Army pays for transportation to and from camp, and each student who completes the camp gets about \$670 in pay, plus room and board.

"It's no vacation," says Griffin. "But I think the students return to campus with an understanding of what the Army is and what it does, and a majority of them enroll in ROTC when the fall semester opens."

Last summer six Clemson students attended Basic Camp, he says, and two of those won scholarships covering tuition for the junior and senior years. This year Griffin expects to send a dozen or more students to camp.

"There are limitations on the number of students who can attend," he says. "We're particularly interested in students majoring in engineering, business, physical science and nursing, although all majors are eligible."

Griffin says he would like to talk with any interested students before April 1. For an appointment to discuss Basic Camp, students should call Capt. Bruce Brown at 656-3107/3108.

## Deadline nears for financial aid hopefuls

Those students seeking undergraduate scholarships for the 1985-86 academic year must submit their applications no later than Feb. 15, says Marvin Carmichael, director of Financial Aid.

By submitting one application, a student will be considered for all scholarships the University awards, he says.

With few exceptions, students who expect to renew their scholarships are required to reapply in order to main-

tain their eligibility. Plus, those students applying for need-related scholarships should plan to fill out a Financial Aid Form.

Most scholarships, says Carmichael, specify eligibility criteria such as need, major, county residence, state residence and career goal.

The University Scholarship and Award Committee selects the scholarship recipients, and the awards range from \$75 to \$3,000.

"Most award notifications are mailed in late April," says Carmichael, "and all applicants will be notified of the status of their requests even if they are not awarded scholarships."

Transfer students must complete on full semester (12 hours) before the may be considered for University scholarships, although other scholarship opportunities from outside the University are available.

For more information, check the bulletin board outside G01 Sikes Hall, or call 656-2280.

## Research applications due in OUR by March 1

Faculty members should note the March 1 deadline when applying for 1985 Provost Research Award.

The University Research Grant Committee will present 25 of the \$2,000 awards this year. Recipients of the award in 1982, 1983 and 1984 are not eligible for an award this year.

Applications are available in E-10 Martin Hall. For more information call the Office of University Research at 656-2375.

## DID YOU KNOW?

ARA Food Services prepared 3,170 pounds of roast beef; 430 pounds of baked ham; 1,820 pounds of fried chicken; 5,810 servings of potatoes; 1,500 servings of peas and mushrooms; and 4,475 servings of whole kernel corn for the 1984 Christmas dinner buffet served in University dining halls.



The Clemson University Newsletter is published for E. Waddell, an administrative specialist with the Extension Service, and for all the members of the University faculty and staff by the Department of Publications and Graphical Services.

Editor \_\_\_\_\_ Jack A. McKenney  
Assistant Editor \_\_\_\_\_ Joyce D. Barr  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

## New Employees

The University welcomes the following employees who joined Clemson during the months of November, December and January.

### Admissions and Registration

Heintze, Michael R., Associate Director of Admissions.

### Agricultural Engineering

Young, Roy E., Professor.

### Alumni Relations

Bennett, Bonnie B., Administrative Specialist A.

### Bookstore

Justice, Angie W., Clerical Specialist

Webb, Alfreda K., Clerical Specialist.

### County Agent Work

Brooks, Wyn D., Administrative Specialist B.

Henry, Valli D., Clerical Specialist C.

Muth, Robert S., Area County Extension Agent-Assistant.

### Development Office

Donovan, James A., Associate Vice President for Development.

### Division of Information Systems Development

Madden, Mark L., Program Analyst I.

### Dormitories

Greenlee, Charles A. Jr., Custodial Worker I.

### Economics

Meiners, Roger E., Professor and Director of the Center for Economic Research.

### Engineering Research

Whitfield, Thomas H., Audio Visual Specialist.

### Experimental Statistics

Bridges, William C., Assistant Professor.

### Fire Department

Abraham, John H., Fire Chief.

### Registry

Brown, Esaw, Laborer.

### Graduate Program

Arterburn, Helen K., Clerical Specialist C.

### Library

Dowling, Emma W., Library Technical Assistant I.

Fitzgerald, June L., Library Technical Assistant II.

### Mechanical Engineering

Rack, Henry J., Professor.

### Pee Dee Experiment Station

Cottingham, James L., Agriculture Science Assistant II.

### Professional Development

Cannon, Nancy P., Key Peripheral Operator.

McCormic, Lillis H., Key Peripheral Operator.

### Security and Traffic Office

Newton, Gregory J., Public Safety Officer.

### Student Financial Aid

Boggs, K. Lynn, Clerical Specialist C.

### Student Life

Page, Robin W., Administrative Specialist A.

### Undergraduate Studies

Palmer, Betty Ann, Clerical Specialist C.

### University Union

McAdams, Margaret, Student Program Advisor I.

## Black History Month observance continues

The University's observance of Black History Month continues this week when John Blasingame, a historian from Yale University, comes here Feb. 7 to talk about "Black Literary Images of Slavery."

Blasingame, a Georgia native, will speak in Lyles Auditorium in Lee Hall at 8 p.m., with a reception following in Lee Hall Gallery.

Then, next week, Edmund Gaither, curator of the Boston Museum and director of the National Center of Afro-American Artists, will talk about "Southern Art." His lecture, also in Lyles Auditorium, will be at 8 p.m.

## Kenny and Dolly come to Littlejohn Feb. 23

Kenny "The Gambler" Rogers and Dolly Parton will combine their voices in concert Feb. 23 at Littlejohn Coliseum.

Tickets -- \$17.50 and \$15.50 -- are now on sale at the University Union Box Office, says Bill Mandicott, Union program director.

You may also order your tickets by mail. Send your mail order (checks are not accepted), \$1 for handling, and a self-addressed, stamped envelope to: Kenny Rogers, Clemson University Union, Clemson, S.C., 29631.

## Here's how to figure risk of heart disease

by Deborah Willoughby  
Graduate Student  
College of Nursing

How great is your risk of developing heart disease? Several surveys have been developed to help answer that question and to identify ways to improve the odds against that happening.

One risk appraisal questionnaire -- the ABC News-Arizona Heart Institute Cardiovascular Risk Factor Analysis -- divides risk factors into two groups: those that are modifiable and those that are not. Each factor has a given point value.

To assess risk, both kinds of factors must be considered. To reduce risk, however, only the modifiable kind can be considered. Non-modifiable risk factors include age, sex and family history of heart disease.

Age 56 and over is assigned one risk point. Under age 56 gets no points. Being male carries a one-point risk, while being female adds no points.

Those who have a blood relative who had a heart attack or stroke before age 60 are given 12 risk points. Those who have relatives with these diseases after age 60 are given six risk points.

The questionnaire lists smoking, blood cholesterol level and blood pressure as major modifiable risk factors.

Smoking two packs of cigarettes a day carries 10 risk points. Smoking one to two packs carries six points. Smoking less than one pack gets three points. No smoking means no points.

Blood cholesterol is easily measured by a blood test. A level over 276 adds 10 risk points. A level between 225 and 275 adds five points. Below 225 gets no points.

Your risk profile increases by two points if your blood pressure is higher than 140/90 (if either of your numbers is higher than the respective one shown) and by eight points if your blood pressure is higher than 160/105. A reading below 140/90 does not increase your risk level.

A point total of more than 20 would tend to put you in the high-risk category. A total of 10-20 indicates medium risk. A total below 10 would tend to place you in the group with the lowest risk of developing heart disease.



**Valentine special** --Bill Whittier, Nut Hut manager, delivers a Valentine special to Joy Smith, dean of Student Life. Cupids at the Nut Hut will deliver a flower and candies to the Valentine of your choice.

## Nut Hut will send Valentine specials

If you want to show a little heart to someone special this Valentine's Day, the Nut Hut cupids are ready to help you work your magic, says Bill Whittier, Nut Hut manager.

The cupids will deliver to your sweetheart, spouse, boss, secretary, coworker, or other person of your choice a sweet-

heart rose and an assortment of Brach's candies. The candies include milk chocolate-covered raisins and peanuts and gourmet jelly beans.

You may order the Valentine special for \$6 through campus mail, or you may call the University Union Information Desk at 656-2461.

## Committee requests outstanding woman nominations

The Women's Lecture Series Committee is seeking nominations for its newly established awards to honor outstanding women within the University. The deadline for nominations is February 15.

Awards will be given in each of four categories: undergraduate woman, graduate woman, staff woman and faculty woman. Nominees should be women who make a significant contribution to the University and who excel in their work here.

The Women's Lecture Committee, established through the College of Liberal Arts, was formed to draw attention to women in the state and in the nation who excel in their contribution to society.

To show appreciation for outstanding University women, the committee during Women's History Week will present awards and plaques to the four women selected from the nominations.

President Bill Atchley will present the awards March 5 at the Alumni Center, following an 8 p.m. lecture in Tillman Hall Auditorium by Christi Craft, author and former co-anchor of KMBC-TV, Kansas City, Mo.

To request nomination forms or more information, call sociology Professor Brenda Vandermeijer at 656-3238.

## PRTM to host Hospitality and Tourism Invitational

Students and faculty members from hotel and restaurant, commercial recreation, and tourism management programs at 21 Southeastern universities and colleges will join industry professionals at the Outdoor Laboratory March 22-24 for the second annual Hospitality and Tourism Invitational.

Faculty members and students from the parks, recreation and tourism management department will host the event, says Dick Howell, travel and tourism management coordinator.

"This conference is unique and already nationally renowned," says Howell, "as evidenced by requests from as distant as the University of Wisconsin-Stout to send faculty ob-

servers. Our normal region for the Invitational includes Alabama, Georgia, both Carolinas and Tennessee."

Bill Cobb, president of the Association of Travel Marketing Executives based in Washington, D.C., will give the keynote address on "High Touch Service in a High Tech Society." Cobb is also special consultant to the Mexican Minister of Tourism.

Russell Bell, vice president for marketing research for Holiday Inns Inc., will talk about the practical applications of marketing research in hospitality and tourism operations.

"We are justifiably proud," says Howell, "that these two nationally prominent gentlemen, who have been strong advocates and sup-

porters of Clemson's travel and tourism management program since its beginning, are willing to come here at their own expense to share their expertise with us."

Other speakers will cover convention and visitor bureau operation, reception services for international visitors, hospitality services in state and national parks, political lobbying, personal computer application and media relations.

The objective of the Invitational, says Howell, is to improve communications among the students and faculty members in the varied academic programs in this region, offer a view toward better instruction and research and, eventually, improve service delivery when the students become practitioners in the field.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

## Feb. 8-15

### LECTURES, MEETINGS, AND CONFERENCES

February  
-28

M	T	W	T	F	S
				1	2
3	4	5	6	7	8
9	10	11	12	13	14
15	16	17	18	19	20
21	22	23	24	25	26
27	28				

- 12 Lecture: "Southern Art" by Edmund Gaither, director of National Center of Afro-American Artists. Sponsored by College of Liberal Arts, Lemon Lecture Series, and Southern Studies, Lyles Auditorium, Lee Hall, 8 p.m., reception to follow in Lee Hall Gallery. Call 656-3153 for more information.
- 12-14 Conference: "Fundamentals of Textiles." Sponsored by Professional Development, University Union Senate Chambers. Call 656-2200 for more information.
- 13 Meeting: Women in Higher Education Networking, with topics on "Dealing With Male Colleagues," "Dealing With a Supervisor," and "Juggling Professional Responsibilities With Personal Responsibilities." Sponsored by WHEN, Cooper Library classroom, noon. Bring lunch, drinks available. Call 656-2426 for more information.
- 15 Lecture: "Jazz: What It Is," by Ojeda Penn, a jazz musician. Sponsored by Speakers Bureau, Performing Artist Series and PAMOJA. Open to public. Free. Call 656-2461 for more information.

### FILMS AND MUSIC

- 6 Film: "The Man With Two Brains." Sponsored by Five Directions Cinema, Y-Theater, 7:30 p.m., \$2. Call 656-3069 or 656-3151 for more information.
- 6 Film: "Blues According to Lightin' Hopkins" and "Give My Poor Heart Ease." Sponsored by Student Life and Film and Video Committee in observance of Black History Month, Edgar's, 8 and 9:30 p.m. Call 656-2153 for more information.
- 7-9 Film: "The Natural." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m., \$1.50. Call 656-2461 for more information.
- 8 Music: "Next Generation" band. Sponsored by University Union, Edgar's, 9 p.m., \$1. Call 656-2461 for more information.
- 10 Film: "Somewhere in Time." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m. Free with University I.D., \$1 others.
- 11 Film: "Poltergeist." Sponsored by University Union, Y-Theater, 8 p.m., \$1. Call 656-2461 for more information.
- 12 Film: "The Powers That Be," No. 2 in the film series "The Shock of the New." Sponsored by visual arts and history department, Lyles Auditorium, Lee Hall, 4:30 p.m. Open to public. Free. Call 656-3081 for more information.
- 13 Film: "Black Wax." Sponsored by Student Life in observance of Black History Month, Edgar's, 8 and 9:30 p.m. Call 656-2153 for more information.
- 13 Film: "Carmen." Sponsored by Five Directions Cinema, Y-Theater, 7:30 p.m., \$2. Call 656-3069 or 656-3151 for more information.

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- 14-16 Film: "Romancing the Stone." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m., \$1.50. Call 656-2461 for more information.
- 14 Music: Ray Fogg, guitarist. Sponsored by University Union, Edgar's, 8 p.m., \$1. Call 656-2461 for more information.
- 15 Concert: Ojeda Penn, jazz musician. Sponsored by Speakers Bureau, Performing Artist Series and PAMOJA, \$1 University students, \$2 others. Call 656-2461 for more information.

## SPORTS

- 9 Basketball: South Carolina, men, here, 5 p.m.
- 9 Basketball: Mars Hill College, women, here, 2:30 p.m.
- 11 Basketball: Georgia Tech, women, here, 7:30 p.m.
- 12 Wrestling: N.C. State, Jervy, 7 p.m.
- 13 Basketball: Wake Forest, men, here, 7:30 p.m.
- 13 Basketball: East Tennessee State, women, here, 5 p.m.
- 14-16 Swimming: ACC Championships, women, here, all day.

## OTHER EVENTS

- 11-March 4 Second Clemson National Print and Drawing Exhibition. Sponsored by College of Architecture, Rudolph E. Lee Gallery, Lee Hall. Call 656-3081 for more information.
- 11 Short course: "California Wines." Sponsored by University Union, Edgar's, 7 p.m. Call 656-2461 for more information.
- 13 "Valentine Love Package," cards, balloons and carnations may be purchased for \$2. Sponsored by University Union, loggia, 1-3 p.m. Call 656-2461 for more information.
- 13 Short course: "Drinking and Driving," second session of the Alcohol Awareness course. Sponsored by University Union, 7 p.m. Free. Call 656-2461 for more information.
- 13 Short course: "Sexual Awareness," includes discussion about methods of birth control, and the prevention of disease. Sponsored by University Union. Call 656-2461 for more information.
- 14 Valentine's Day cocktails. Sponsored by University Club, Alumni Center, 4:30 p.m. Call 656-2345 for more information.
- 15 Last day to apply for University scholarships and Supplemental Educational Opportunity Grants. Call 656-2280 for more information.
- Through March 7 "Feeling Great," a program of aerobic dance, fitness and fun for first through sixth graders. Sponsored by YMCA, Tuesday and Thursday, 3-4 p.m., YMCA recreation gym. Call 654-2361 for more information.
- Through March 15 "Dancin' Aerobics." Sponsored by YMCA, morning class: Monday-Friday, 9-10 a.m., YMCA recreation gym; afternoon classes: Monday, Wednesday, Friday, 5:20-6:20 and 6:30-7:30, and Tuesday, Thursday, 5:30-6:30 p.m., at YMCA Center. Call 654-2361 for more information.
- Continuous "Men's Fitness." Sponsored by YMCA, Monday, Wednesday, Friday, 12:10-12:50, YMCA Center. Call 654-2361 for more information.
- Continuous "Jazzercise." Sponsored by YMCA, YMCA Center, Monday and Wednesday, 5:30-6:30 p.m. and Thursday, 6-7 p.m. Call 654-2361 or 656-2460 for more information.
- Through April "Akido," a coed martial arts program of instruction and practice, taught by a certified Black Belt instructor. Sponsored by YMCA, YMCA Center, Monday and Wednesday, 8-10 p.m. Call 654-2361 or 656-2460 for more information.

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# Newsletter

February 13, 1985  
Vol 24 No 22

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

FEB 14 1985

## Honors Program to explore Scottish impact on America

A Scottish anthropologist responsible for developing recreation management policies in the highly developed tourist areas of his country's highlands will deliver three public lectures here next week during the 1985 President's Honors Colloquium.

Laurie M. MacLagan Wedderburn will be on campus Feb. 18-21, says honors program director Jack Stevenson, visiting with students and faculty members and lecturing on contributing factors in the shaping of Scotland.

Wedderburn will speak on "The Celts--Caledonia to Carolina," at 8 p.m. Feb. 18 in Lyles Auditorium in Lee Hall.

His topic will be "Scottish Anthropology Today," for a 3:30 p.m. lecture Feb. 19 in M-305 of Martin Hall. That evening an honors student seminar and reception will be held for him at the Alumni Center at 7 p.m.

At 3:30 p.m. on Feb. 21, Wedderburn will address "Developing a Local Tourism Program" in 135 Lehotsky Hall. Each of the three lectures is free and open to the public.

Born in Oban, Scotland, Wedderburn spent his early years in Kenya. Returning to his homeland, he graduated with honors from Dundee University, where he received a master's degree in social science with a specialization in the advanced historical geography of Scotland.

After graduation, he served as a field archaeologist and assistant keeper of antiquities at the Dundee City Museum, and in 1972 he was appointed principal assistant curator of Inverness Museum.

Since 1976 Wedderburn has been on the staff of Rothiemurchus Estate in the highlands, where he has worked to establish recreation management policies in the more developed tourist areas in the Scottish highlands.

He has also been extensively involved in university teaching and has helped develop courses in the extramural departments of both Dundee and Aberdeen universities.



**Wedderburn**

Stevenson says several students in the parks, recreation and tourism management department here have already been working with Wedderburn.

"I think he has an outstanding ability to translate his academic experience into practical work," says Stevenson. "Plus, he has a strong knowledge of the impact of the Celts on the Scottish movement into America, particularly in the South, and it will be good to have someone who has knowledge of this subject."

For more information on the colloquium, call Stevenson at 656-4762.

## Trustees meet at Hickory Knob

Announcement of \$1.8 million in construction awards for projects already in this year's budget highlighted the Board of Trustees' Jan. 25 meeting at Hickory Knob State Park.

The regular winter meeting of the Board was held at the park, instead of here on campus, because Board members were already at Hickory Knob for a two-day working retreat.

The Board ratified earlier mail-ballot approval for awarding a \$371,700 contract to Weilheim Corp. of Augusta,

Ga., for construction of an office and laboratory building at the Edisto Agricultural Experiment Station in Blackville.

The Trustees also ratified earlier mail-ballot acceptance of a \$1,474,323 bid from Kewaunee Scientific Equipment Corp. of Statesville, N.C., for laboratory casework for the new chemistry building under construction here. The casework contract brings the total cost of the project to \$9.6 million.

"These bids were accepted and publicly opened and read earlier," said Sen. James M. Waddell, Board chairman. "The action taken today simply makes the contracts part of the Board's permanent record."

### In other business, the Board:

- sent to the Educational Policy Committee for study a proposed reorganization of the Cooperative Extension Service. The proposal follows a Board-requested review, conducted over several months by Provost David Maxwell and Trustee Billy Amick, of Extension's strong and weak points and of organizational structures at other land-grant schools.

"From an internal standpoint, our study showed the existing organizational structure to be very effective," Maxwell said. "In fact, Clemson was cited as a model by some of the schools we contacted."

"Our problem is external -- that is, in matters dealing with legislators and the general public. Our top administrators, particularly in public service, are spread too thin because of the state-wide nature of their responsibilities."

The proposed reorganization calls for a position of "Vice Provost and Vice President for Agriculture and Forestry" to be established and for the existing positions of "Director of Extension" and "Director of Research" to be renamed, respectively, "Dean for Cooperative Extension" and "Dean for Research in Agriculture and Forestry."

The Board voted to have the Educational Policy Committee review the proposed new organization and come up with a recommendation for the full Board at its April 12 meeting.

"Any changes should be made solely for the purpose of enhancing the image,

(Continued on page 2)

(Continued from page 1.)

stature and status of agriculture at Clemson and in South Carolina," President Bill Atchley told the Board.

- authorized the administration to continue negotiations with the Foundation Seed Association to find a suitable location on University land for the association's new building.

The current headquarters of the association, a separate state entity established as a seed quality control board, is on Clemson land near the U.S. Army Reserve Center on Highway 76 and is in need of extensive repair and expansion.

The proposed site for the foundation's new offices is near the Germ Plasm Research Facility on Cherry Road, but to build there the foundation will have to accept certain land-use restrictions and follow the University master plan's specifications for campus growth and architectural design.

- accepted for the record approval by the State Crop Pest Commission, which is a subset of the Board, of certain regulations related to that commission's responsibilities.

- accepted for the record actions by the Fertilizer Board of Control, which is also a subset of the Board of Trustees, regarding penalties imposed on certain companies for mislabeling infractions.

- granted an easement to Southern Bell for the installation of additional telephone cable from downtown Clemson to campus (along the north side of Highway 93 between Sikes Hall and the Mell Hall crosswalk).

- deleted from the Board's bylaws the article dealing with the Board of Visitors, since that group has been revamped and is now covered by policies relating to institutional advancement.

- heard reports for alumni, IPTAY and Clemson University Foundation representatives, Faculty Senate president David Senn, and President Atchley.

## Edgar's available for showing educational films

Edgar's Nightclub in the University Union Complex is available for departments to show films of an educational nature.

Edgar's will provide a large screen TV, sound reinforcement and a V.H.S. (video cassette recorder) for a \$3 fee.

You may reserve Edgar's on Monday, Tuesday and Wednesday afternoons, and you should make plans for your film to end at or before 5:45 p.m.

To schedule a time for your film, call Mike Arnold at 656-2461.

## Extension Senate elects officers

The Extension Senate has elected Rose Davis, a nutrition specialist at the Pee Dee Research and Education Center near Florence, as Senate president for 1985. Davis, who has served in Extension for 15 years, succeeds Barrett Lawrimore, Charleston County Extension chairman.

Serving with Davis are vice president Steven Odom, Greenwood area agent for special programs, and Senate secretary Elizabeth Hill, home economics agent for Marion County.

Established in 1974, the Extension Senate in 1983 gained representation on the President's Council. The Senate consists of three agricultural agents and three home economics agents from each of the state's three Extension districts, four specialists and an at-large member appointed by the Extension Service director.

Davis says the Senate's constitution calls for members to represent the interests of Extension workers throughout the state.

"We are a source of communication between the employees and the administration and the Board of Trustees," she says, adding that one of the Senate's goals this year is to establish more effective ways of representing Extension personnel "so they will know they have a voice at these levels."

"Too often we don't learn of a problem or something concerning an individual or group until it's too late," she says, "so we will be dealing with ways to let people know they have representation."

The senate has appointed two standing committees. Joe Zublena, a corn specialist at the Pee Dee Center, chairs the Welfare Committee, and Terry Mathis, an Aiken County agent, chairs the Committee on Organization and Policy.

Zublena and Mathis serve with Davis on the President's Council.

The first Senate meeting for the year was held Feb. 11. Other sessions are scheduled for May 10, Aug. 12 and Nov. 11.

### Senate membership

Here are the members of the Extension Senate for 1985:

J.P. Zublena, Extension Agronomist  
Pee Dee Research and Education Center.

Stephen R. Mullen, 4-H and Youth Development Specialist.

Rose Davis, Food and Nutrition Specialist, Florence.

Larry Hudson, Extension Animal Scientist.

Stephen Odom, Area Extension Agent, Greenwood County, appoint member-at-large,

### Pee Dee Area

Geraldine L.D. Dukes, Dorchester County Extension Agent.

Barrett S. Lawrimore, Charleston County Extension Chairman.

Elizabeth A. Hill, Charleston County Extension Agent.

R.M. Johnston, Williamsburg County Extension Chairman.

Jesse Adams, Area Extension Agent, Florence County.

Sarah M. Danner, Florence County Extension Agent.

### Piedmont Area

T.J. Bryson, Greenwood County Extension Agent.

Susan F. Kahl, Spartanburg County Extension Agent.

Stanley G. Clements, Area Extension Agent, Abbeville County.

Ann B. Yelton, Oconee County Extension Agent.

Carol J. Webb, Greenville County Extension Agent.

Wallace B. Wood, McCormick County Extension Chairman.

### Savannah Valley Area

Joseph E. Cely, Barnwell County Extension Chairman.

Gloria Jenkins, Area Extension Agent, Columbia.

L. Terrell Mathis, Aiken County Extension Agent.

Rebecca Platts, Hampton County Extension Chairman.

Betty E. Baird, Lexington County Extension Agent.

J.T. Walker, Jasper County Extension Chairman.



The Clemson University Newsletter is published for Rick Brock, an administrative specialist in Undergraduate Studies and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKen  
Assistant Editor \_\_\_\_\_ Joyce D. Barr  
Production Assistant \_\_\_\_\_ Carla Reev

The staff welcomes your comments and suggestions. Contact us at 656-2467 or write us at 103 Fike Center.

## American Indian lecture series continues Feb. 19

The history department's lecture series on Southeastern Indians will continue next Tuesday with Michael Green, a professor of history at Dartmouth College, speaking at 4 p.m. Feb. 19 in 200 Hardin Hall.

His topic will be "Native Politics and European Trade: Alexander McGillivray and the Creeks, 1780-1800."

A reception in 202 Hardin will follow the address.

Green is the author of "The Politics of Indian Removal: Creek Government and Society in crisis."

The next lecture will be March 19, when James Merrell, a professor of history at Vassar College, will speak on "Minding the Business of the Nation: Hagler and the Crisis in Catawba Leadership." Merrell is the author of several articles and a forthcoming book on the Catawbas.

Then, on March 26, John Finger will speak on "Bridge Over Troubled Waters: Amrod Jarrett Smith and the Eastern Cherokees." Finger, a member of the history department at the University of Tennessee, is the author of "The Eastern Band of Cherokees, 1819-1900," to which he is writing a sequel.

The March lectures will also be held in Hardin Hall at 4 p.m.

## Computer Center remote station opens in Daniel

Logging on in the liberal arts became a lot more convenient this semester with the installation of an IBM terminal cluster and a cluster of personal computers on the first floor of Daniel Hall.

In addition to equipping Daniel 105 with 16 IBM terminals linked to the University's main computer, the Computer Center has put 25 Rainbow 100 stand-alone, personal computers next door in Daniel 103.

Like the Computer Center's remote stations in Martin and Sistine halls, the Daniel Remote is open to all students and faculty and staff members. But, since Daniel is headquarters for English, drama, music, political science and foreign language courses, the new remote should be especially beneficial to the College of Liberal Arts, says micro-computer coordinator Chuck Heck of the Computer Center.

The Daniel Remote is part of our continuing effort to make the University's computer resources more access-



**Learning about LUIS** -- LUIS has been making lots of friends since he arrived at the Cooper Library Jan. 25. Eight terminals were set up in the main floor lobby so patrons could get acquainted with the Library User Information System, which will eventually replace the card catalog. Library assistants rotated "LUIS help duty" throughout the day. Here, it was Susan Eller's turn.

ible to more people," Heck says. "The College of Liberal Arts generally hasn't had easy access to computing, so we're very pleased to be working with the college in making this new site available."

The pleasure is mutual, says liberal arts Dean Bob Waller: "We're delighted to assist the Computer Center in setting up this new remote."

"This is a big plus for the whole campus. Daniel is a heavily trafficked building for students in all majors, and it's also a natural stopping point for East Campus students since it is so close to their dorms."

Waller says the Daniel Remote will also help liberal arts faculty members interested in applying the computer to their disciplines.

"Several of our faculty members are already using or are training to use the computer in their work -- in research as well as in the classroom," he says. "The new remote makes it easier to develop that interest."

The Daniel Remote's hours are 8 a.m.-11 p.m. Monday-Thursday, 8 a.m.-4:30 p.m. Friday, and 6-11 p.m. Sunday. The College of Liberal Arts is staffing the facility until July 1, when the Computer Center will take on that responsibility.

Faculty members may reserve the remote for class sessions that meet before 4 p.m. by calling Roger Leemhuis, assistant professor of history, at 656-2070 between 8 a.m. and 11 a.m. on Mondays, Wednesdays and Fridays and between 8 a.m. and noon on Thursdays. To reserve the remote for class sessions happening after 4 p.m., call the Computer Center.

## Extension boosts state's efforts at reforestation

A program to boost the state's forest productivity has reached nearly 60 percent of its 1984-85 goal, says George Kessler, a forester with the Extension Service.

"Everyone is pleased with the project so far," says Kessler. "The response of the landowners has been quite good."

The program, with about 6,000 acres committed for reforestation, was set up last year by state forestry officials and private industry to reduce the state's timber deficit.

In 1983, 22 counties in the state were cutting more timber than they were growing -- up from three counties in 1978, according to a survey by the U.S. Forest Service.

"Something had to be done to stop the timber drain," says Kessler.

Therefore, the Extension Service and the state forestry commission and forestry association banded together to use \$150,000 from private industry and the National Forest Products Association to set up the reforestation program.

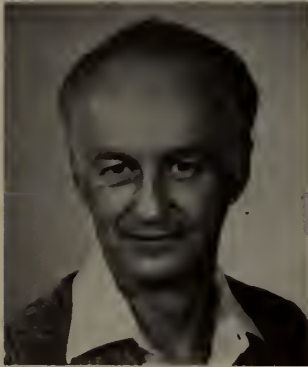
Volunteer productivity committees to encourage landowners to plant pine seedlings were established in each county throughout the state.

Kessler says the results are encouraging. "It's unique. It's not a subsidy program or a cost-share program," he says. "We plan to increase our reforestation goal for 1985-86."

(Continued on page 4.)

(Continued from page 3.)

Seventy-three percent of the state's land is forested. Of that, 235,000 acres were being cut each year, and 50,000 acres were not being reforested.



Lambert

## Agricultural sciences appoints computer activity coordinator

Agricultural engineering Prof. Jerry Lambert took on new responsibilities with the start of the spring semester, becoming computer coordinator for the College of Agricultural Sciences.

The function of this new, half-time position, Lambert says, is to "coordinate agriculture-related computer activity on and off campus -- from organizing training programs to coordinating hardware and software acquisition."

The increasing use of computers in agriculture prompted the college to establish the position, Lambert says. "There are estimates that 5 percent of the nation's farmers are already actively using computers," he says, "and that number is going to keep on growing."

One of Lambert's first tasks is to find out how many and in what ways farmers are using computers in South Carolina. That information, he says, will help the college plan and develop computer-related teaching, research and public service programs to meet the needs of the state.

As computer coordinator, Lambert reports to the college's associate deans for instruction, Extension and the Agricultural Experiment Station. He remains on the ag engineering faculty, however, and his office is still 115 McAdams Hall.

## Students place tops on EEE

Clemson students turned in the top performance among state-supported

institutions on a test to screen prospective teacher trainees, according to State Board of Education figures.

On the Education Entrance Exam (EEE), 89 percent, or 31 of 35 students who took the exam, passed. Among private colleges, only Furman University, with a score of 90 percent, surpassed Clemson.

James Matthews, dean of the College of Education, says he is delighted with the scores. "We're very pleased with how well our students have done. The results just proved all along that we have a very select group of students here in our College of Education."

Clemson's score was considerably higher than the state average. According to education board figures, 54 percent of the college students who took the exam last fall passed the three-part basic skills test, which measures proficiency in reading, math and composition.

A 1979 state law requires all education majors in public and private colleges and universities to pass the exam before formally entering a teacher education program. Board members hiked the standards last fall.

The College of Education, which has about 800 undergraduate students, offers undergraduate degrees in elementary, early childhood, secondary and industrial education, as well as a master's degree in several fields and a doctorate in vocational technical education.

## Jazz singer to perform in concert

Lectures, films and a concert by jazz musician Ojeda Penn continue this week the University's observance of Black History Month.

Jazz musician and lecturer Ojeda Penn will perform in concert here Feb. 15 in Daniel Hall Auditorium at 8 p.m.

But before the evening concert, he will give a lecture/demonstration on "Jazz, What It Is" at 3:30 p.m., also in Daniel.

The lecture is free; the concert is \$1 for University students and \$2 for others.

The next day, Feb. 16, Doris Massey from WHYZ Radio in Greenville will talk about the history of gospel music. After her talk at the Y-Theater at 3 p.m., a film, "Say Amen, Somebody," will be shown at 4 p.m. Both events are free and open to the public.

On Sunday at 3 p.m., Tillman Hall

Auditorium will come alive as members of the Clemson University Gospel Choir raise their voices in a "Gospel Explosion" concert, which is free and open to the public.

These events are sponsored by PROMOJA, the Gospel Choir, student government's Speakers Bureau, and the University Union's cultural and film and video committees.

## Reserve your place now in pre-retirement seminar

You still have time to reserve a place in the Personnel Division's pre-retirement seminar March 6-7.

If you are within 15 years of retirement, the seminar may help you plan for your leisure years, says Debbie King, personnel assistant.

A representative from the South Carolina Retirement System will lead the seminar, which covers benefits under the S.C. Retirement System and Social Security Administration; health and life insurance benefits; wills and estate planning; finances and investments; and health and leisure information.

Reservations are accepted on a first-come, first-served basis. Spouses are welcome to attend, says King, but they, too, must be registered in advance.

To make a reservation call King in the Personnel Division at 656-2426.

## There's still time to apply at OUR for research award

The University Research Grant Committee is still accepting applications for the Provost Research Award. The application deadline is March 1.

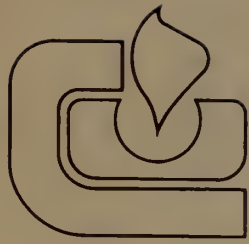
The University has provided funds for 25 awards at \$2,000 each. Any faculty member with a tenured/tenure-track faculty title -- except 1982, 1983 and 1984 awardees -- may make application for an award.

Application forms and instructions are available in the Office of University Research in E-102 Martin Hall. To request an application or for more information, call that office at 656-2375.

## Sen. Hollings to speak

Sen. Ernest F. Hollings will speak here Feb. 13 in Daniel Hall Auditorium at 3:30 p.m., with a reception following in 108 Strode Tower.

His visit is sponsored by the Thurmond Institute and the Young Democrats.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

FEB 14 1985

Feb. 15-22

**LECTURES**

- 15 "Jazz: What It Is" by Ojeda Penn, a jazz musician and lecturer. Sponsored by Speakers Bureau, Performing Artist Series and PAMOJA, Daniel Hall Auditorium, 3:30 p.m. Open to public. Free. Call 656-2461 for more information.
- 16 "History of Gospel Music" by Doris Massey of WHYZ Radio in Greenville. Sponsored by Speakers Bureau, Clemson University Gospel Choir and PAMOJA, Y-Theater, 3 p.m. Open to public. Free. Call 656-2195 for more information.
- 18 "The Celts -- Caledonia to Carolina" by Laurie M. MacLagan Wedderburn, senior countryside ranger manager of the Visitor Services Department of Rothiemurchus Estate, Aviemore, Scotland. Sponsored by Calhoun College as a part of the President's Honors Colloquium, Lyles Auditorium, Lee Hall, 8 p.m. Open to public. Free. Call 656-4762 for more information.
- 19 "Scottish Anthropology Today" by Laurie M. MacLagan Wedderburn, senior countryside ranger manager of the Visitor Services Department of Rothiemurchus Estate, Aviemore, Scotland. Sponsored by Calhoun College as a part of the President's Honors Colloquium, M305 Martin Hall, 3:30 p.m. Open to public. Free. Call 656-4762 for more information.
- 19 "Native Politics and European Trade: Alexander McGillivray and the Creeks, 1780-1800" by Michael Green, author and lecturer. Sponsored by history department, Room 200 Hardin Hall, 4 p.m., reception to follow in Room 202. Call 656-3153.
- 21 "Some Aspects of the Geology of Western Texas" by Gail G. Gibson, a professor at the University of North Carolina. Sponsored by chemistry and geology department, 235 Brackett Hall, 4:30 p.m. Open to public. Free. Call 656-3066 for more information.
- 21 "Developing a Local Tourism Program" by Laurie M. MacLagan Wedderburn, senior countryside ranger manager of the Visitor Services Department of Rothiemurchus Estate, Aviemore, Scotland. Sponsored by Calhoun College as a part of the President's Honors Colloquium, Room 135 Lehotsky Hall, 3:30 p.m. Open to public. Free. Call 656-4762 for more information.

**MUSIC AND FILMS**

- 15-16 Film: "Romancing the Stone." Sponsored by University Union, Y-Theater, 7 and 9:30 p.m., \$1.50. Call 656-2461 for more information.
- 15 Concert: Ojeda Penn, jazz musician. Sponsored by Speakers Bureau, Performing Artist Series and PAMOJA, Daniel Hall Auditorium, 8 p.m., students \$1, public \$2. Call 656-2461 for more information.
- 16 Film: "Say Amen, Somebody." Sponsored by University Union, Clemson University Gospel Choir and PAMOJA, Y-Theater, 3 p.m. Open to public. Free. Call 656-2461 for more information.
- 17 Concert: "A Gospel Explosion" by the Clemson University Gospel Choir, Tillman Hall Auditorium, 3 p.m. Open to public. Free. Call 656-2461 for more information.
- 17 Film: "Airplane." Sponsored by University Union, Y-Theater, 7 and 9:15 p.m., students free, others \$1. Call 656-2461 for more information.
- 18 Film: "The Omen." Sponsored by University Union, Y-Theater, 8 p.m., \$1. Call 656-2461 for more information.
- 19 Film: "Let It Be." Sponsored by University Union, Edgar's, 7 and 9:30 p.m., \$1. Call 656-2461 for more information.
- 19 Film: "The Landscape of Pleasure," No. 3 in the series "Shock of the New." Sponsored by visual arts and history, Lyles Auditorium, Lee Hall, 4:30 p.m. Open to public. Free. Call 656-3081 for more information.

**February  
1-28**

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- 20 Film: "Bladerunner." Sponsored by Five Directions Cinema, Y-Theater, 7:30 p.m., \$2. Call 656-3069 for more information.
- 20 Film: "The Last of the Blue Devils." Sponsored by Student Life, Edgar's, 8 and 9:30 p.m. Free. Call 656-2153 for more information.
- 21 Concert: Clemson University Jazz Ensemble Winter Concert. Sponsored by music department, Tillman Hall Auditorium, 8 p.m. Open to public. Free. Call 656-3043 for more information.
- 21-23 Film: "Top Secret." Sponsored by University Union, Y-Theater, 7 and 9:30 p.m., \$1.50. Call 656-2461 for more information.

## SPORTS

- 14-16 Swimming: ACC Championships, women, here.
- 17 Basketball: Maryland, men, here, 1:30 p.m.
- 17 Swimming: Tiger Trials, women and men, here.
- 21-23 Swimming: ACC Championships, men, here.

## OTHER EVENTS

- 15 Last day to apply for University scholarships and Supplemental Educational Opportunity Grants. Call 656-2280 for more information.
- 18 Short course: "Winetasting -- Italian Wines." Sponsored by University Union, 7 p.m., \$5. Call 656-2156.
- 19-20 Conference: "High Volume Instrument Training." Sponsored by Professional Development, Clemson Ramada Inn. Call 656-2200 for more information.
- 20 Short course: "Coping With Friends With Drinking Problems," No. 3 in Alcohol Awareness Series. Sponsored by University Union, 7 p.m. Free. Call 656-2461 for more information.
- 20 Short course: "Advanced Cross Country Skiing." Sponsored by University Union. Call 656-2461 for more information.
- 21 Short course: "CPR Session No. 2." Sponsored by University Union, 6-10 p.m., \$2, certification upon completion. Call 656-2461 for more information.
- Through March 4 Second Clemson National Print and Drawing Exhibition. Sponsored by College of Architecture, Rudolph E. Lee Gallery, Lee Hall. Call 656-3081 for more information.
- Through March 7 "Feeling Great," a program of aerobic dance, fitness and fun for first through sixth graders. Sponsored by YMCA, Tuesday and Thursday, 3-4 p.m., YMCA recreation gym. Call 654-2361 for more information.
- Through March 15 "Dancin' Aerobics." Sponsored by YMCA, morning class: Monday-Friday, 9-10 a.m., YMCA recreation gym; afternoon classes: Monday, Wednesday, Friday, 5:20-6:20 and 6:30-7:30, and Tuesday, Thursday, 5:30-6:30 p.m., at YMCA Center. Call 654-2361 for more information.
- Continuous "Men's Fitness." Sponsored by YMCA, Monday, Wednesday, Friday, 12:10-12:50, YMCA Center. Call 654-2361 for more information.
- Continuous "Jazzercise." Sponsored by YMCA, YMCA Center, Monday and Wednesday, 5:30-6:30 p.m. and Thursday, 6-7 p.m. Call 654-2361 or 656-2460 for more information.
- Through April "Akido," a coed martial arts program of instruction and practice, taught by a certified Black Belt instructor. Sponsored by YMCA, YMCA Center, Monday and Wednesday, 8-10 p.m. Call 654-2361 or 656-2460 for more information.







# Newsletter

FEB 20 1985 February 20, 1985  
Vol 24 No 23

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## CHE forms center for environmental issues research

A new center committed to fostering research on environmental issues has been established here by the S.C. Commission on Higher Education.

The Clemson Environmental Research Center will work to support ongoing research and to obtain funding for new projects in all academic departments, says acting director Robert Taylor, an associate professor of zoology.

"Our activities won't be limited to any one college," says Taylor. "Environmental research is interdisciplinary, involving everyone from scientists and engineers to educators and economists.

"The center will also perform public service by providing information and sponsoring speakers and seminars on relevant topics."

One of the center's first public programs will be a September conference on nuclear activities in South Carolina and their implications for the environment.

The conference will bring together leaders in research, business, state and federal government, education, and grassroots civic organizations to discuss the effects of nuclear development.

"We chose this topic for our first formal public education activity," says Taylor, "because it's a critical issue in South Carolina."

## Alumni volunteers give students advice on careers

The next time a student asks you for career information or advice, you may want to tell him or her about the Alumni Career Advisory Service, suggests Mathiasen, the University's director of career services.

More than 500 alumni have volunteered to advise students here on employment possibilities and career development in

just about every line of work, says Mathiasen.

Straight talk and firsthand information on careers ranging from accounting to veterinary medicine are available to students at all academic levels. Plus, he says, in many cases alumni advisors can help seniors or recent graduates develop contacts that can speed up job-hunting.

"Both the students and the alumni who have participated in the program during the two years it's been established have been very positive about it," Mathiasen says. "The alumni really seem to enjoy working with the students, and the students feel as if they've learned something that they otherwise would have missed."

More information about the Alumni Career Advisory Service is available in the Placement Office, 804 University Union Complex (656-2152).

## From Bach to Porter, winter concerts will offer it all

Whether you enjoy Bach and Schuman, or jazz, the music department has something coming up to suit your taste.

The Clemson University Jazz Ensemble will present its first concert of the year Feb. 21, featuring selections from such artists as Miles Davis, Sonny Rollins, Chuck Mangione and Cole Porter.

The concert, under the direction of Rick Goodstein, assistant director of bands, begins at 8 p.m. in Tillman Hall Auditorium.

The following Thursday, Feb. 28, the University Symphonic Band will present its winter concert. Under the direction of Bruce Cook, the band will be entertaining with selections from Holst, Gottschalk, Del Borgo, Bach and Schuman.

Marches by John Philip Sousa and Delle Cese will round out the program, which begins at 8:15 p.m. in Tillman Hall Auditorium.

Both performances are free and open to the public. For more information on the concerts, call 656-3043 or 656-3380.

## Committee invites degree nominations

The Honorary Degree Committee is accepting nominations of persons to be considered for honorary degrees, according to Provost David Maxwell.

If you wish to nominate someone, you should send the candidate's name and supporting documentation to the Honorary Degree Committee, Provost's Office, 207 Sikes Hall.



'White Swan Pas de Deux' -- "Versatile" probably best describes the repertoire of the Florida Ballet Company, 10 dancers who will perform Feb. 26 at 8 p.m. in Tillman Hall Auditorium. Tickets, \$4 for students and \$6 for others, may be purchased at the Union Box Office. The performance is a part of the Performing Artist Series sponsored by the University Union and the Alumni Association. Call 656-2461 for information.

## New Employees

The University welcomes the following employees who joined Clemson during the months of December and January.

### Agricultural Economics and Rural Sociology

McMullen, Georganne L., Data Management/Research Analyst III.

Monson, Richard S., Data Management and Research Analyst III.

### Agronomy and Soils

Hartsig, Theodore A., Agricultural Science Associate III.

Mohr, Lorraine E., Administrative Specialist A.

### Budgets and Systems

Burnett, Debra S., Administrative Specialist A.

### Chemical Engineering

Thies, Mark C., Assistant Professor.

### Civil Engineering

Fiuzat, Abbas A., Assistant Professor.

### County Agent Work

Baker, Dayton E., County Extension Agent-Assistant.

Barron, Dayne C., Area County Extension Agent-Assistant.

### Electrical and Computer Engineering

Ludeman, Lonnie C., Visiting Professor.

### English

Leeman, Richard W., Instructor in Speech.

### Forestry

Fraedrich, Stephen W., Forester I.

### Home Economics, County

Hall, Patricia P., County Extension Agent-Assistant.

Wingo, Tina R., Clerical Specialist C.

Wood, Marian E., Area County Extension Agent-Assistant.

### Internal Auditing

Ivester, Patricia K., Auditor II.

### Livestock and Poultry Health

Witherwax, Gary W., Veterinarian I.

### Mechanical Engineering

Wang, Ting, Assistant Professor.

### Office of President

Dawson, Deborah V., Administrative Assistant I.

### Plant Pathology and Physiology

Nicholson, Linda F., Administrative Specialist A.



Luh

## Prof. Luh named IEEE Fellow

John Luh, a professor of electrical and computer engineering, has been named a Fellow in the National Institute of Electrical and Electronics Engineers.

"This is a high honor both for Dr. Luh and for Clemson," said Charles Jennett, dean of engineering. "Under IEEE rules, in order to be named a Fellow a member must be extraordinarily qualified and have made long-term contributions to the field of engineering."

Luh, a leader in robotics research and development, was honored for his research in robotics, particularly computer control of manipulators. His current research is aimed at teaching robots to work together, like right and left hands.

Luh was appointed in 1983 to the McQueen-Quattlebaum Professorship of Electrical and Computer Engineering in the University's Center for Automated Manufacturing. He received his bachelor's degree in China, his master's at Harvard University and his doctorate from the University of Minnesota.

A former employee of IBM and Honeywell, he has worked in the field of computer engineering and robotics for more than 20 years. Luh has taught

at Harvard, Purdue and the University of Minnesota and has held visiting professorships in Germany and at the Massachusetts Institute of Technology.

## You are now covered with dental insurance

The new employee state-paid dental insurance plan may now take some of the bite out of those trips to the dentist.

If you are on the active roll for health insurance, your name was automatically transferred Feb. 15 to the dental benefits roll -- unless you chose not to receive the benefits.

You will soon receive your dental I.D. card and a handbook explaining your dental benefits, says Ron Herrin, director of payroll and employee benefits.

If you have questions about the dental program, stop by the Payroll and Employee Benefits Office in G13 Sikes Hall or call 656-2000.

## Only one week remains to apply for Provost Research Award

Faculty members planning to file an application for a Provost Research Award should note the March 1 deadline.

The University has provided funds for 25 awards at \$2,000 each. An applicant with a tenured/tenure track faculty title -- except 1982, 1983 and 1984 awardees -- may make application for an award.

Applications for less than \$2,000 will not be considered. All applications will receive a blind, non-peer review from the University Research Grant Committee. Compliance with instructions on research objectives, research feasibility and research significance will be major considerations in granting the awards.

Application forms and instructions are available in the Office of University Research in E-102 Martin Hall.

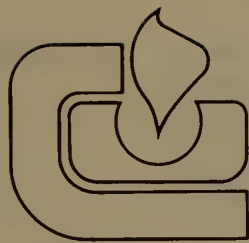
To request an application or for more information, call that office 656-2375.



The Clemson University Newsletter is published for Tom Ligon, a heavy equipment operator with the Physical Plant and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reev

The staff welcomes your comments and suggestions. Contact us at 656-2467 or write us at 103 Fike Center.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

Feb. 22-28

FEB 20 1985

## MUSIC AND FILMS

February  
-28

M	T	W	T	F	S
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3	4	5	6	7	8
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27	28				

- 22-23 Film: "Top Secret." Sponsored by University Union, Y-Theater, 7 & 9:30 p.m., \$1.50. Call 656-2461 for more information.
- 22-23 Music: Kenny Rogers and Dolly Parton Concert. Sponsored by University Union, Littlejohn Coliseum, 8 p.m., tickets \$17.50 and \$15.50. Call 656-2461 for more information.
- 24 Film: "Conan the Barbarian." Sponsored by University Union, Y-Theater, 7 & 9:15 p.m. Free with University I.D., public \$1. Call 656-2461 for more information.
- 24 Music: Hall and Oates Concert -- "Big Bam Boom: Live Thru '85 World Tour." Sponsored by University Union, Littlejohn Coliseum, 8 p.m., tickets, \$15 and \$13.50. Call 656-2461 for more information.
- 25 Film: "The Good, the Bad, and the Ugly." Sponsored by University Union, Y-Theater, 8 p.m., \$1. Call 656-2461 for more information.
- 26 Film: "Trouble in Utopia," No. 4 in "Shock of the New" film series. Sponsored by visual arts and history department, Lyles Auditorium, 4:30 p.m. Free. Open to public. Call 656-3081 for more information.
- 27 Film: "Peppermint Soda." Sponsored by Five Directions Cinema, Y-Theater, 7:30 p.m., \$2. Call 656-3069 for more information.
- 27 Film: "Always for Pleasure," a part of the "Black Music" film series. Sponsored by Student Life, Edgar's, 8 and 9:30 p.m. Free. Call 656-2153 for more information.
- 28 Music: "Clemson University Symphonic Band Winter Concert." Sponsored by music department, Tillman Hall Auditorium, 8 p.m. Open to public. Free. Call 656-3043 for more information.
- 28 Music: Carl Rosen plays piano and guitar. Sponsored by University Union, Edgar's, 8-11 p.m., \$1. Call 656-2461 for more information.
- 28 Film: "Conan the Destroyer." Sponsored by University Union, Y-Theater, 7 & 9:30 p.m., \$1.50. Call 656-2461 for more information.

## THEATER AND EXHIBITS

- 25-March 1 Exhibit: "Art for Children's Literature" by Sandy Tice Wright. Sponsored by College of Liberal Arts, Thurmond Institute and Speakers Bureau, University Union Gallery. Open to public. Free. Call 656-3263 for more information.
- 26 Performing Artist Series: "Florida Ballet." Sponsored by University Union and Alumni Association, Tillman Hall Auditorium, 8 p.m., \$4, students and \$6 public. Call 656-2461 for more information.
- 26-March 2 Clemson Players' Production: "Equus." Daniel Hall Auditorium, 8 p.m. (3:30 p.m. matinee Feb. 28), \$2 public, \$1 faculty and staff, free University students. Call 656-2476 for more information.



- 28-March 31 Exhibit: "Southeastern Indians." Sponsored by Special Collections Unit of Cooper Library in conjunction with history department's lecture series on Southeastern Indians, main lobby of Cooper Library, 7:45 a.m.-1 a.m. Monday-Thursday, 7:45 a.m.-11 p.m. Friday, 8 a.m.-6 p.m. Saturday, 1 p.m.-1 a.m. Sunday. Free, open to the public. Call 656-3024 for more information.

## **SHORT COURSES AND WORKSHOPS**

- 25 Short course: "How to Use Your 35mm Camera." Sponsored by University Union, \$3. Call 656-2461 for more information.
- 26 Seminar: "Financing for Small Business." Sponsored by Small Business Development Center, Room 367 Surrine Hall, 7-9:30 p.m., \$10 University employees, \$20 others. Call 656-3227 for more information.
- 26 Short course: "CPR Session #2." Sponsored by University Union, 6-10 p.m., \$12, certificate upon completion. Sign up at Union Information Desk or call 656-2461 for more information.

## **SPORTS**

- 21-23 Swimming: ACC Championships, all day.
- 23 Basketball: North Carolina, men, here, 3:30 p.m.
- 24 Swimming: Clemson Invitational, men and women, here.
- 25 Basketball: South Carolina, women, here.

## **OTHER EVENTS**

- 27 Night skiing. Sponsored by University Union. Call 656-2461 for more information.
- 27-March 8 Apply for room reservations for fall 1985.
- Through March 4 Second Clemson National Print and Drawing Exhibition. Sponsored by College of Architecture, Rudolph E. Lee Gallery, Lee Hall. Call 656-3081 for more information.
- Through March 7 "Feeling Great," a program of aerobic dance, fitness and fun for first through sixth graders. Sponsored by YMCA, Tuesday and Thursday, 3-4 p.m., YMCA recreation gym. Call 654-2361 for more information.
- Through March 15 "Dancin' Aerobics." Sponsored by YMCA, morning class: Monday-Friday, 9-10 a.m., YMCA recreation gym; afternoon classes: Monday, Wednesday, Friday, 5:20-6:20 and 6:30-7:30, and Tuesday, Thursday, 5:30-6:30 p.m., at YMCA Center. Call 654-2361 for more information.
- Continuous "Men's Fitness." Sponsored by YMCA, Monday, Wednesday, Friday, 12:10-12:50, YMCA Center. Call 654-2361 for more information.
- Continuous "Jazzercise." Sponsored by YMCA, YMCA Center, Monday and Wednesday, 5:30-6:30 p.m. and Thursday, 6-7 p.m. Call 654-2361 or 656-2460 for more information.
- Through April "Akido," a coed martial arts program of instruction and practice, taught by a certified Black Belt instructor. Sponsored by YMCA, YMCA Center, Monday and Wednesday, 8-10 p.m. Call 654-2361 or 656-2460 for more information.





# Newsletter

February 27, 1985  
Vol 24 No 24

FEB 27 1985

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Falwell to speak here March 7

The Rev. Jerry Falwell and the Rev. Robert Drinan are among the speakers scheduled for the Thurmond Institute's Religion and Politics in America" lecture series next month.

Falwell, founder of the Moral Majority and chancellor of Liberty Baptist College and Schools, is well known for his campaigns against abortion, the Equal Rights Amendment and federal social programs.

His "Old-Time Gospel Hour" is carried on 392 TV stations and a nationwide network of radio stations. He also founded the Thomas Road Baptist Church in Lynchburg, Va., the second largest church in the nation.

Drinan, the first Catholic priest elected as a voting member of Congress, served five consecutive terms in the U.S. House of Representatives and was affectionately known as "our father no art in Congress."

In 1980, under the direction of Pope John Paul II, he gave up his House seat. This marked the first time a pope had asked a priest to resign from office.

A keen advocate of civil liberties and social service, Drinan supports federal funding of abortions for the indigent. He is a professor of law at Georgetown University Law Center in Washington, D.C., and has traveled extensively on human rights missions overseas.

Other speakers slated to appear are Charles Dunn, head of the political science department, and Henry Abraham, a professor of government and foreign affairs at the University of Virginia.

Dunn, author of the book "American Political Theology," has served as senior staff member for a governor, a U.S. senator and a U.S. congressman. His other books include "The Future of the American Presidency" and "American Democracy Debated."

Abraham has been a visiting professor at the universities of Helsinki, Sweden, Stockholm, Hamburg and London. He is a member of the council of editors of the "Journal of Church and State" and has written several books and articles on political subjects, including "Religion, Medicine, and the State."



Falwell

The lectures, free and open to the public, are scheduled as follows:

March 4 -- Charles Dunn, 3:30 p.m., Daniel Hall Auditorium.

March 7 -- Jerry Falwell, 7 p.m., Tillman Hall Auditorium.

March 18 -- Robert Drinan, 7 p.m., Lyles Auditorium in Lee Hall Auditorium.

March 22 -- Henry Abraham, 3:30 p.m., Lyles Auditorium in Lee Hall Auditorium.

## Women review their accomplishments during history week

The accomplishments of women in the world today will be the focus of a weeklong series of events here celebrating Women's History Week, March 3-9.

Barbara Foltz, chairwoman of the Women's History Week committee, says the week was created to stimulate awareness of the accomplishments of women in society both past and present.

"We would hope that through the activities we have scheduled for the week people would gain a better appreciation of the accomplishments of women here within the University and of women nationwide," says Foltz.

A talk by author, lecturer and former newscaster Christine Craft will highlight the activities here. Craft is a nationally prominent woman whose experience spans the field of broadcasting

-- from reporting for the CBS Sports Spectacular to film shooting (NBC) and co-anchoring (ABC).

When in 1981 the then-37-year old newscaster was demoted from her co-anchor position at KMBC-TV in Kansas City, Kan., because she was "too old, too unattractive, and not sufficiently deferential to men," Craft sued Metro-media Inc. for sex discrimination and fraud and was awarded a half million dollars in damages.

Craft will speak on "Television News As Show Business" March 5 at 8 p.m. in Tillman Hall Auditorium.

Following the lecture, a reception will be held at the Alumni Center, and the emphasis will turn at that time to the achievements of local women. "Outstanding Woman" awards will be presented to women here who have achieved excellence in their professions and who have made significant contributions to the University.

(Continued on page 2.)



**Women in the news** -- Christine Craft, former news co-anchor at KMBC-TV, Kansas City, Kan., will be the keynote speaker here during Women's History Week March 4-8. Craft, demoted from her position at KMBC because, she says, she was described as "too old, too unattractive and not sufficiently deferential to men," will be speaking in Tillman Hall Auditorium March 5 at 8 p.m.

(Continued from page 1)

Awards will be presented to one woman in each of these categories: female undergraduate, graduate student, faculty member, and staff person.

Activities will continue March 6 with a free film, "Antonia: Portrait of a Woman," a documentary of Antonia Brico, who in the 1930s established an international reputation as an accomplished orchestra conductor.

Sponsored by Five Directions Cinema, the film will begin at 7:30 p.m. at the YMCA Theater.

Ballet will take the stage March 7, when Jan Klugh and Paula Donahoe, local ballet instructors, will perform at 7 p.m. in Daniel Hall Auditorium.

Immediately following that performance, a film, "Why Man Creates," will spark a panel discussion on "Women and Creativity." Becky Marcon, an assistant professor of psychology, will moderate the discussion.

Two exhibits featuring women's accomplishments will be displayed throughout the week. Cartoons by Kate Salley Palmer, a former cartoonist for The Greenville News, will be in the University Union Gallery. And a selection of fictional works by living American women writers will be on exhibit at the Cooper Library.

All events are free and open to the public. For more information on the activities, call Foltz at 656-2451.

## Baxter receives award for plant pathology work

It was clear, walking into his office, that a celebration was in progress. Ribbon-decorated balloons, crepe-paper streamers across the ceiling, a cartoon-likeness of him on his bulletin board: All of this suggested that Luther Baxter was being honored.

The only thing missing were the plants, but they were out in the greenhouse, and in their place colorful poster board drawings hung around the walls, pictures of Luther Baxter at work in his greenhouse.

Luther W. Baxter Jr., a professor of plant pathology, was being honored for receiving national recognition for his contributions in the field of plant pathology.

The Southern Division of the American Phytopathological Society has given Baxter the Outstanding Plant Pathologist Award for 1985, says head of plant pathology Joe Dickerson. The award, says Dickerson, recognizes Baxter's outstanding achievements as a teacher, counselor and researcher in the field of plant pathology.

Although his research specialty has

been primarily with diseases of ornamentals, Baxter has also made contributions through research on diseases of peanuts and vegetables.

"He is a nationally recognized authority on camellia diseases," says Dickerson, "and his rapport with growers and the general public has made him a good disciple for plant pathology internationally."

Baxter, who came to Clemson in 1966, was recently elected a Fellow of the American Camellia Society, one of 20 Fellows in the history of the society. He also serves on the society's board of directors.

Besides publishing more than 100 articles in various journals, magazines and books, Baxter writes each week a column for his hometown newspaper, "The Anderson-News," in Lawrenceburg, Ky.



**Outstanding pathologist** -- *The Southern Division of the American Phytopathological Society has named Luther Baxter "Outstanding Plant Pathologist for 1985." The honor, along with a plaque and a check for \$100, was given to Baxter in recognition of his 30 years service in plant pathology.*



The Clemson University Newsletter is published for Melvyn Maw, an electrical engineering associate in agricultural engineering, and for all the members of the University faculty and staff by the Department of Publications and Graphic Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barre  
Production Assistant \_\_\_\_\_ Carla Reeve

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

"Dr. Baxter feels strongly about quality education," says Dickerson. "His philosophy is that a university should first educate students so they will be better members of society, and second, train them to perform useful job functions. He expresses this philosophy to his students, the faculty and even in his newspaper column."

Baxter received his bachelor's degree in agriculture at Eastern Kentucky University, and his master's and doctorate in plant pathology-plant breeding at Louisiana State University.

## NCR equipment will support ECE lab

A shopping spree may be fun most anytime, but it's especially nice if you have about \$75,000 to spend.

Members of the electrical and computer engineering department should know, for they have received a \$10,000 check and a shopping spree worth about \$75,000 from NCR Corp. of Liberty.

"NCR has given us a shopping list of personal computers and other equipment at their price rather than retail which easily doubles the value of the donation," says Wayne Bennett, department head.

The gifts will support a computer systems integration laboratory that will allow students to work with personal computers in monitoring and control of facilities used in the equipment manufacturing industry.

Steve Sefick, manager of personal computer technology at NCR and Clemson graduate says, "We plan to establish an ongoing relationship with Clemson as part of our continuing support of teaching and research in computer technology."

Sefik, Thomas Fulks, director of the Clemson Development Center at NC and Raymond Martin, head of production planning, were on campus to make the presentation. Fulks also serves on the electrical and computer engineering department's Industrial Advisory Board.



## Don't let weather prevent fresh-air exercise workout

By Cherie A. Ivey  
College of Nursing

Cold weather often makes it hard to stick to an outdoor exercise program. However, there are ways to beat the cold, protect the body and still get a good fresh air workout.

When jogging or walking, wear layers of clothing. A T-shirt and tights make a good bottom layer. Next, put on a long-sleeved T-shirt or sweatshirt and jacket. Socks, gloves and a scarf complete the outfit.

A cap prevents the loss of body heat through the head. Another good idea is a jacket or sweatshirt with pockets to hold your gloves after you warm up.

If it hurts to breathe in cold air when exercising, eat a cough drop or hard candy to lubricate the throat. Drink plenty of water before and after exercising to keep respiratory passages moist.

Wearing makeup can protect the face, especially areas easily chapped. This is useful with children because their skin is especially fragile in cold weather.

Appropriate sheer makeup can be purchased to blend in with skin color. Sunscreen prepared for faces is a good substitute. A medicated lip conditioner, so with sunscreen, will protect lips.

Exercise during the warmest time of the day if possible. However, if weather is too bad to exercise, think of alternatives. Take brisk walks in shopping malls or jog in places that have indoor tracks.

Remember, the objective is to exercise in comfort and with enjoyment. Cold weather does not have to be a reason for not exercising.

### DID YOU KNOW

Thanks to substantial financial support from the Kellogg Foundation, the Clemson Extension Service is, on two fronts, applying micro-computer technology to public service work. Every county, state and on-campus Extension office now has a microcomputer to help agents and staffers provide South Carolinians with reliable information on agriculture, home economics, youth and 4-H, community development, and related topics. And Extension specialists have developed computer software -- available on diskettes -- to help farmers and consumers with record-keeping and management tasks.

## DEPARTMENTAL NOTES

Announcements of professional accomplishments of faculty and staff members appear in the last Newsletter of each month.

### AGRICULTURAL ECONOMICS & RURAL SOCIOLOGY

J.C.O. Nyankori (Assoc Prof) presented a paper, "Farm Family Household Production and Rural Development," at the 1984 42nd Professional Agricultural Workers' Conference at Tuskegee Institute, Tuskegee, Ala. The paper was written with T.A. Lyson (Assoc Prof) and E.D. Wynn (Assoc Prof).

B.H. Robinson (Prof & Hd) presented a paper, "Fifty Years of Farm Policy: What Have We Learned?" at the N.C. Economic Outlook and Policy Conference in Raleigh, N.C., Dec. 6.

Prof. Robinson chaired a session at the fourth annual Agricultural Outlook and Policy Conference in Columbia, S.C., Dec. 7.

C.S. Thompson (Prof) published an article, "Procedures for Adjusting Sales for Favorable Financing," in the *Journal of the American Society of Farm Managers and Rural Appraisers*, 48(2): 29-31, (October, 1984).

### AGRICULTURAL EDUCATION

R.J. Mercer (Prof) conducted a workshop, "Utilizing the Super Pilot Authoring Program," for Pickens County language arts teachers, Jan. 1.

### AGRICULTURAL ENGINEERING

The following papers were presented at the American Society of Agricultural Engineers (ASAE) meeting in New Orleans, La., Dec. 11-14:

-- "Furrow Diking Demonstration in South Carolina" by C.V. Privette (Assoc Prof).

-- "Electronic Spreadsheets for Agricultural Engineering Problems" (oral) by J.R. Lambert (Prof).

-- "Stream Water Level Control Supplies Irrigation Water" by C.W. Doty (Adj Assoc Prof, USDA-ARS), A. Nasseh-zadeh-Tabrizi (Res Assoc, Biol & Agr Eng, NC State Univ, Raleigh), J.E. Parsons (Res Assoc, USDA-ARS, Florence), and R.W. Skaggs (Prof, Biol & Agr Eng, NC State Univ).

-- "Extraneous Voltage Levels on South Carolina Dairy Farms" by M.J. Buschermohle (Grad Stu), J.M. Bunn (Prof), and R.A. Spray (Prof).

-- "Some Factors Affecting Automated Cotton Dust Sampler Measurements" by J.B. Cocke (Agr Eng, Cotton Quality Res Sta, USDA-ARS), G.J. Mangialardi (Grad Stu, Agr Eng, Cotton Ginning Lab, USDA-ARS, Stone-

ville, MS), and J.D. Bargerion (Res Tex Tech, Cotton Quality Res Sta, USDA-ARS).

-- "Use of a Diluter With Aerodynamic Particle Sizer" by R.E. Harrison (Grad Stu, Agr Eng, Cotton Quality Res Sta, USDA-ARS) and Cocke.

-- "Cotton Dust Equilibration Studies" by R.E. Harrison and Cocke.

-- "Mass Balance for Two-Stage Biomass Combustors" by P. Chandra (Res Assoc) and F.A. Payne (Assoc Prof).

-- "Micromuter Control of Two-Stage Biomass Combustion" by J.L. Dunlap (Res Assoc) and Prof. Payne.

-- "Affordable Solar Home Retrofit-Design and Initial Evaluation" by J.O. Newman (Adj Assoc Prof, USDA-ARS) and L.R. Newman (Undergrad Stu).

-- "Thermochemical Conversion of Biomass" (oral) by Prof. Payne.

-- "A Device for Quantifying the Effective Air Resistance of Perforated Floors Used in Tobacco Curing Barns" by G.A. Poole (Undergrad Stu), W.H. Allen (Assoc Prof) and J.G. Alphin (Prof).

-- "High Temperature Performance Characteristics of a Residential-Type Heat Pump" by Prof. Alphin, Prof. Allen and B. Merriman (Undergrad Stu).

-- "Farm Energy Used for Processing Flue-Cured Tobacco" by G.D. Christenbury (Prof).

-- "A National Approach to Livestock Lagoon Design" by C.L. Barth (Prof).

-- "Irrigation Management for Soybeans on Coastal Plains Soils" by C.R. Camp (Adj Assoc Prof) and R.E. Sojka (Soil Sci, USDA-ARS, Florence), Prof. Christenbury, and C.W. Doty (Adj Assoc Prof, USDA-ARS).

-- "Establishing Special Crop Potentials- Turnip Case Study" by F.J. Wolak (Assoc Prof).

-- "Storage Factors Analysis-Seed Soybeans" by Prof. Bunn and Prof. Spray.

The following presided over technical sessions at the meeting:

-- D.L. Roberts (Prof), "Why Consider the Human Factor."

-- G.D. Christenbury (Prof), "Advances in Tobacco Processing."

-- C.R. Camp (Adj Assoc Prof), "Crop Yield Response to Irrigation Management."

The following have received funding for research and related activities:

--D.E. Linville (Assoc Prof), \$25,000 from the U.S. Department of Commerce for continuation of activities of the Agricultural Weather Office; \$6,550 from USDA-Federal Extension Service for an integrated pest management project.

(Continued on page 4.)

(Continued from page 3.)

"Weather Communications in IPM".

-- F.J. Wolak (Assoc Prof): \$11,040 from USDA-Federal Extension Service for an integrated pest management project "Pesticide Sprayer Calibration Workshop."

-- K. Ladenburg (Vstg Prof): \$3,500 from the Energy Research and Development Center to expand activities of the feedstocks-to-alcohol screening laboratory to semi-commercial scale.

-- J.M. Bunn (Prof): \$7,000 from the S.C. Soybean Board for continued research on soybean storage.

-- R.A. Spray (Prof): \$12,500 from USDA-Federal Extension Service for an integrated pest management project, "Pest Management in Stored Grain."

-- C.V. Privette (Assoc Prof): \$1,337 from USDA-Federal Extension Service for an integrated pest management project, "Sprayer Calibration-Chemigation."

#### ARCHITECTURAL STUDIES

M.A. Davis (Assoc Prof) presented a paper, "Reuben Harrison Hunt and the Eclectic Movement of Architecture in the South, 1886-1993," as the keynote speaker at the annual meeting of the Chattanooga Area Historical Society at the University of Tennessee-Chattanooga, Jan. 19.

R.B. Norman (Prof) has been appointed to the American Institute of Architects National Architects in Education Committee for the year 1985.

#### BIOLOGICAL SCIENCES

J.M. Colacino (Assoc Prof) and D.W. Kraus (Grad Asst) published "Hemoglobin-containing Cells of *Neodasys* (Gastrotricha, Chaetonotida)-II. Respiratory Significance" in *Comparative Biochemistry and Physiology* 79:363-369.

S.A. Gauthreaux (Prof) helped organize the Conference and Training Workshop on Wildlife Hazards to Aircraft this past summer at Charleston. There he presented a paper, "The Use of Small Mobile Radars to Detect, Monitor, and Quantify Bird Movements" and co-edited the conference's published proceedings.

D.G. Heckel (Asst Prof) received a grant of \$52,000 from the National Science Foundation to study "Multiple Paternity, Sperm Competition, and Post-Insemination Sexual Selection in the Eastern Red-spotted Newt."

Prof. Heckel was an invited workshop participant in a National Academy of Sciences Symposium on Pesticide Resistance Management in Washington, D.C., Nov. 26-28.

G.L. Powell (Prof) presented two seminars to the chemistry department at the University of North Carolina,

Oct. 24-26:

-- "The Fatty Acyl-CoA Binding Site of Citrate Synthase-A Spin Labeling Study."

-- "The Fatty-CoA Binding Site of Citrate Synthase Is the Substrate Binding Site."

Prof. Powell, P.F. Knowles (Astbury Biophy Dept, Univ of Leeds), and D. Marsh (Max-Planck Inst for Biophy Chem) presented a poster on the "Character of the Association Between Cardiolipin Cytochrome c Oxidase" and a paper, "Polymorphic Phase Behavior of Cardiolipin Analogues" at the XIX Annual Southeastern Regional Lipid Conference at Cashiers, N.C., Oct. 31-Nov. 2.

Prof. Powell presented a lecture, "Using Spin Labelled Lipids to Characterize a Specific Lipid-Enzyme Interaction Within a Biological Membrane" to the meeting of the Western Carolinas Section of the American Chemical Society at Clemson, Nov. 15.

J.P. Wourms (Prof) presented two seminars, "Maternal-embryonic Trophic Relationships in Viviparous Fishes" and "The Scientific Revolution and the Problems of Communication Between Scientists and Non-scientists: C.P. Snow's *Two Cultures* Revisited," at the University of Queensland in October.

#### BUILDING SCIENCE

R.W. Liska (Assoc Prof) facilitated a program on "Human Relations for the Construction Manager" at the American

Institute of Constructors' Region Seminar in Tampa, Fla.

Prof. Liska published "Constructive Technology in Education" in *The Journal of the American Institute of Constructors*, (Fall 1984) 18-23.

#### CHEMICAL ENGINEERING

D.D. Edie (Prof), K.W. Hutchens (Former Grad Asst) and D.M. Rig (Sr Rsrch Assoc, DuPont) published "Radial Temperature Differences During the Melt Spinning of Fibers" in *Journal of Applied Polymer Science* 29, 3621-3640 (1984).

Prof. Edie received a grant of \$5,000 from the Society of Plastics Engineers to help fund the purchase of a liquid chromatograph for polymer characterization.

C.H. Gooding (Assoc Prof) published "Reverse Osmosis and Ultrafiltration Solve Separation Problems," in *Chemical Engineering*, 92(1), 56-62 (1985).

J.M. Haile (Prof) and J.P. O'Connor (Prof, Univ of Fla) published "Internal Structure of a Model Molecule via Computer Simulation," in the *Journal of Physical Chemistry*, 88, 6363 (1984).

R.W. Rice (Asst Prof) was recently selected to receive an Outstanding Counselor Award, given in recognition of efforts to attain and maintain a high level of excellence in the activities of the AIChE Student Chapter, from the American Institute of Chemical Engineers. The award was given to O'Connor.

(Continued on page 5)

## Westinghouse gives boost to summer Career Workshop

The University's Career Workshop has received a \$10,000 boost from Westinghouse Electric Corp., representing the second installment of a \$30,000 pledge.

The free summer workshop, now in its ninth year, provides intensive college preparatory training for outstanding minority high school students. Although a variety of subjects are included in the workshop, 70 percent of the students say they are interested in engineering careers.

Students are admitted to the two-year program as rising high school juniors. They spend two weeks on campus the first year and return for three weeks the following summer, says Corinne Sawyer, co-director of the workshop.

"Students say the program makes their senior year of high school and first year of college much easier," says Sawyer, "because they are better prepared for the social and aca-

demic adjustments required.

"And," she says, "higher Scholastic Aptitude Test scores help boost the program's success."

While state funds pay for teacher salaries and supplies for the program, those funds cannot be used to provide food and housing for students. That's where the Westinghouse contribution comes in.

"The program's success is heavily dependent on aid from interested private industries such as Westinghouse," Sawyer says. "These contributions help assure that students can attend the workshop without imposing financial burdens on the families."

The workshop, which began with 40 students in 1977, has since grown to involve 350 students each year. Sawyer says 650 sophomores applied for the program each year, and these, 190 are admitted.

(Continued from page 4.)

four of the more than 100 chapter counselors in the United States.

## CHEMISTRY AND GEOLOGY

J. Foropoulos Jr. and D.D. DesMar-teau (Prof & Hd) published "Synthesis, Properties, and Reactions of Bis((tri-fluoromethyl)sulfonyl)imide,  $(CF_3SO_2)_2NH$ " in *Inorganic Chemistry*, 1984, 23, 3720.

J.W. Huffman (Prof), F.J. Matthews (Former Grad Stu), and W.H. Balke (Grad Stu) published "Chair-Twist Equilibria in Some tert-Butyl Octa-ones" in the *Journal of Organic Chemistry*, 1984, 49, 4943.

J.D. Petersen (Assoc Prof & Assoc Dean Sci), R.R. Ruminski (Former Post-doc Fellow) and K.D. Van Tassel (Former Grad Stu) published "Mixed Ligand Iron(II) Complexes Cotaining 2,2'-Bipyrimidine. Spectroscopic, Electrochemical, and Coulombic Modification of Highly-Absorbing Metal Complexes by Ligand Substitution" in *Inorganic Chemistry*, 23(1984) 4380.

Prof. Petersen presented an invited talk, "Intramolecular Energy Transfer Reactions in Polymetallic Complexes" in the symposium on "Photochemistry and Photophysics of Metal Complexes: Applications to Solar Energy Conversion" at the 1984 International Chemical Congress of Pacific Basin Societies in Honolulu, Hawaii, Dec. 16-21. Prof. Peterson chaired one of the sessions of the symposium which was sponsored by the American, Canadian, Japanese and Australian Chemical Societies.

G.T. Tisue (Assoc Prof), C.A. Seils (Argonne National Laboratory), and J.T. Keel (Grad Asst) published "Pre-concentration of Submicrogram Amounts of Metals From Natural Waters for X-ray Energy Spectrometric Determination Using Pyrrolidinecarbodithioic acid," in the *Analytical Chemistry*, January, 1985).

## CIVIL ENGINEERING

S.C. Anand (Prof) presented the paper, "A Simple Model for Shear Cracking and Failure in Composite Masonry," written with D. Stevens (Voight Corp, Dallas), at the 6th International Conference on Fracture held in New Delhi, India, Dec. 4-10. The paper was published in the Conference Proceedings. The National Science Foundation supported the cost of the trip with a \$875 group travel grant.

Prof. Anand gave an invited talk, "Groundwater Flow and Contaminant Transport in Saturated Aquifers - A Finite Element Model," to the faculty and graduate students of the engineering mechanics department at the Indian Institute of Technology in New Delhi.

## COMPUTER CENTER

S.J. Piazza (Sys Prog I) chaired the following sessions at SHARE 63: "GPU's Discovery of the 3270 as an Office Workstation Using ISPF and DCF," "Electronic Forms Design on the 3800-3: Overlay Generation Language," "DOCC Requirements for Document Composition Software," "DOCC Requirements for Document Composition Hardware." Piazza was offered and accepted the position of manager of administration on SHARE's Advisory Council.

## COMPUTER SCIENCE

The department hosted one of two Southeast Regional Scholastic Programming contests Nov. 17. Twenty-seven teams from the six southeastern states participated. The Clemson team placed second in the contest held at the University of Florida.

## ELECTRICAL AND COMPUTER ENGINEERING

R.K. Arora (Vstg Prof) co-authored a paper, "Dispersion Effects in a Circular Phased Array," which was published in the IEEE "Transactions on Aerospace and Electronic Systems," (November, 1984).

Prof. Arora co-authored a paper, "Reflection, Transmission, and Waveguiding Properties of Dielectric-Mounted Wire-Grid Polarizers," which was presented at the International Symposium on Antennas in Nice, France, Nov. 13-15.

The following presented papers at the S.C. Council of Engineering Societies annual joint meeting in Columbia, Jan. 18:

E.G. Baxa Jr. (Assoc Prof & Assoc Dept Hd) presented "Satellite Radar for Remote Sensing."

J.W. Lathrop (Prof) presented "IEEE-VLSI Reliability and Its Engineering Implications."

M.W. Walker (Asst Prof) presented "Practical Problems With Industrial Robots."

A.W. Bennett (Dept Hd & Prof) co-authored a paper, "Boolean Integral Calculus for Digital Systems," which was published in the IEEE "Transactions on Computers" (January).

## ELEMENTARY AND SECONDARY EDUCATION

R.P. Green Jr. (Assoc Prof) published "The Historian's Craft" with Robert Coviello in *The Social Science Record*, Vol. 21, No 2 (Fall 1984).

Prof. Green gave an invited presentation, "The Historian's Craft: Thinking Skills in the U.S. History Classroom," at the Florida Council for the Social Studies Annual Conference in Sarasota,

Fla., Oct. 19.

Prof. Green presented "Teaching U.S. History" to Knox County, Tenn., social studies educators in Knoxville, Tenn., Oct. 25.

Prof. Green gave an invited presentation, "Teaching Reading in the Social Studies," at the S.C. Council for the Social Studies Conference at Converse College, Nov. 3.

Prof. Green presented "Using Visuals in the Social Studies Classroom" to Pickens County social studies teachers at an in-service workshop, Jan. 21.

J.V. Hamby (Assoc Prof) published "The Assessments of Performance in Teaching (APT): Some Observations," in *The Clemson Kappan*, (Fall/Winter, 1984).

R.K. Peden (Prof) has been selected to serve on the Science BSAP Committee for the state department of education.

Prof. Peden, J.H. Adair (Asst Prof), and L. Floyd (Guid Cnslr, Clinton High School) have received a Phi Delta Kappa Grant to conduct research on "Education Revisited," an oral history of education in South Carolina.

Prof. Peden has been appointed to the Alcohol and Drug Abuse Commission of Anderson County.

Prof. Peden has been elected as Phi Delta Kappa's area coordinator for South Carolina.

## ENGLISH

R.J. Calhoun (Alumni Prof) read, "Robert Frost: Public Persona and Private Person, Lowell's 'Great Act' and Thompson's Demythologized Poet" at the annual meeting of the Modern Language Association in Washington, D.C., Dec. 29.

At the meeting, Prof. Calhoun was elected vice president of the Society for the Study of Southern Literature and to the executive committee of the Robert Frost Society.

S.K. Eisiminger (Assoc Prof) published "The Guest in Our House," an essay in *Truckee*, (Fall 1984).

Prof. Eisiminger published "The Language of Comics" in *The Sesquipedalian*, Vol. 1, No. 11.

J.L. Idol Jr. (Prof) was elected president of the Nathaniel Hawthorne Society at its recent meeting at the Library of Congress. The Hawthorne Society is an international organization dedicated to the study of Hawthorne's life and work.

R.W. Moran (Prof) published an article, "Randall Jarrell as Critic of Criticism," in *The South Carolina Review*, 17, No. 7 (1984), 60-65.

C.H. Sawyer (Prof) with C.O. Collins (Univ of N Colo) published "Teaching From Television: M\*A\*S\*H as Geography"

(Continued on page 6.)

(Continued from page 5.)

in *Journal of Geography*, 83 (Nov.-Dec. 1984).

F.W. Shilstone (Assoc Prof) read "Autonomy and Agony: The Examination of Self in Byron's Journals" at the annual meeting of the Byron Society, American Committee, at the Modern Language Association Convention in Washington, D.C., Dec. 27-30.

E.P. Willey (Assoc Prof) published "The Works of Alexander Chalmers: Journalist, Editor, Biographer" in *Bulletin of Research in the Humanities*, 86, No. 1 (1983), 94-104, and three poems: "Across July Pastures" in *River City Review*, "Roman Villa" in *Parnassus Literary Journal*, and "Mortality Clings" in *Meadows*.

## ENTOMOLOGY

The following papers were presented at the S.C. Entomological Society Inc., in Charleston, Nov. 8-9:

-- "The Hymenoptera of South Carolina" by D.G. Manley (Assoc Prof).

-- "Large Area Control of Imported Fire Ants in South Carolina Using Pro-Drone (R)" by P.M. Horton (Assoc Prof) and J.B. Kissam (Prof).

-- "Comparison of Commercially Available and Household Products for Control of the Red Imported Fire Ant" by L.A. Lemke (Grad Res Asst), R.L. Knight (Ent Stu) and Prof. Kissam.

-- "Seasonal Occurrence of Insect Parasitoids of Lepidopterous Larvae in Soybean in South Carolina" by G.S. McCutcheon (Instr).

-- "Update on Boll Weevil Eradication in South Carolina" by M.E. Roof (Asst Prof).

-- "Infectivity of an Iridescent Virus Against All Larval Instars of *Anticarsia gemmatilis* (Lepid:Noctuidae)" by P.J. Sieburn (Grad Res Asst) and G.R. Garner (Prof).

-- "Effect of Nematicides on Soybean Insects" by S.G. Turnipseed (Prof), J. Mueller and M.J. Sullivan (Prof).

-- "Little Known Facts About *Brachymeria ovata*, a Chalcid Parasitoid of Soybean Looper Pupae" by J.F. Grant (Vstg Asst Prof).

-- "Adult *Heliothis* Activity in the Coastal Plain of the Carolinas" by J.W. Chapin (Assoc Prof).

-- "Effects of Tobacco Leaf Extracts on Tobacco Budworm Larvae in the Laboratory" by A.W. Johnson (Prof).

-- "Colonization and Distribution of the Parasitoids of *Heliothis zea* in 4.9 ha Corn Field" by J.D. Culin (Asst Prof).

-- "Effect of Three Pyrethroids on Yield and Insect Control in Cotton" by M.E. Derrick (Grad Res Asst).

-- "An Abridged Route of Synthesis in the Development of Organophos-

phinate Synergists for Malathion and Other Insecticides" by T.M. Brown (Assoc Prof).

-- "The Efficacy of Synerid (R) Erythrosin B Food Dye as a Larvacide for an Aid in the Control of the House Fly *Musca domestica* L., in Caged Layer Poultry Operations" by M.P. Nolan III (Grad Asst) and Prof. Kissam.

-- "Life History of *Lomomyia banksi* Carpenter (Neuroptera: Berothidae)" by J.R. Brushwein (Grad Stu).

-- "Pheromone Trapping of the European Corn Borer in South Carolina" by J.A. DuRant (Prof), D.G. Manley (Assoc Prof), and R.T. Carde (Univ of Mass).

-- "An Economic Evaluation of a Regional Pest Suppression Program: Boll Weevil Eradication in South Carolina" by R.P. Griffin (Assoc Prof), M.D. Hammig and J.W. Jordan (Ag Econ Dept).

-- "Residual Control of Velvetbean Caterpillar With Permethrin" by Prof. Chapin and M.J. Sullivan (Prof).

-- "Feeding Preferences of *Heliothis zea* and *Heliothis virescens* for Artificial Diet" by R.F. Moore (Adj Prof).

-- "Chemical Control of Soybean Looper on Soybean" by M.J. Sullivan (Prof), S.G. Turnipseed (Prof) and Prof. Chapin.

-- "The Trials and Tribulations of Producing a High Quality Scientific Journal" by T.R. Adkins Jr. (Prof).

## EXTENSION HOME ECONOMICS

U. Holahan (Ret Ext Cloth and Tex Spec) received the Distinguished Service Award from the Alpha Phi Chapter of Epsilon Sigma Phi at the annual meeting in Columbia, Dec. 7.

M.L. Swicegood (Prof) has been elected to the new "Friends of Extension Home Economics" national committee. This committee was developed to enhance and expand on a national scale the relationship between business and industry.

## FINANCE

R.H. Mabry (Prof & Hd) and J.D. Wilson (LSU Law School) have had an article, "A Regional Analysis of Changing State and Local Government Expenditure Functions," accepted for publication in the *Review of Regional Economics and Business*, Vol. 10, No. 1 (April, 1985).

## HISTORY

J.L. Arbena (Prof) served as commentator on a panel devoted to Latin America popular culture during the annual meeting of the American Historical Association in Chicago, Ill., Dec. 27-30.

R.M. Golden (Prof) published a review of Richard Simon, *Additions aux*

"Recherches curieuses sur la diversite des langues et religions" d'Edward Brerewood, edited by Jaques LeBrun and J.D. Woodbridge, in *Church History* (Dec. 1984).

L.J. Greenspoon (Assoc Prof) delivered a paper, "Theodotion and His Community" at the annual meeting of the International Organization for Septuagint and Cognates Studies in Chicago, Ill., in December. At that meeting Prof. Greenspoon was re-elected for a third term as the organization's secretary.

Prof. Greenspoon reviewed R.G. Boling, *Joshua: A New Translation With Notes and Commentary* in the *Journal of Biblical Literature* 103(1984), 439-441.

C.H. Lippy (Assoc Prof) chaired a session of the Afro-American Religious History Group and North American Religions section, "Martin Luther King, Jr.: Black Religion and the Transformation of Southern Culture," at the annual meeting of the American Academy of Religion in Chicago, Ill., Dec. 8.

J.A. Miller (Asst Prof) published *Imlil: A Moroccan Mountain Community in Change* (Boulder, Colo., Westview Press) in November.

Prof. Miller has been awarded a Fulbright Research Grant in Islamic Civilization for the 1985-86 academic year. The grant will provide funding for analysis of regional change and economic development in the Valley of the Wadi Draa, Morocco.

Prof. Miller delivered a paper, "The Ait Mizane: From Douar to Town in Imlil, Morocco," at the meeting of the Middle East Studies Association of North America in San Francisco, Calif. Nov. 30.

Prof. Miller presented a public lecture, "Emergence of a Central Place in Morocco," in the geography department at the University of Georgia in Athens, Ga., Nov. 14.

## HOUSING



D. Acker of Pendleton received the Custodian of the Month award for December. She has been employed with the Housing Office since August, 1980.

E.A. Singleton (Supt of Cust Svcs) has been elected to serve a two-year term on the National Executive Housekeepers Association Inc., Board of Directors Piedmont Chapter, where he will assist in managing the affairs of the chapter district. He has served a one-year term on the Ways and Means Committee. NEHA membership is for housekeepers who are responsible for administration of the housekeeping program in any commercial institutional, medical, industrial or educational facility.

## INDUSTRIAL EDUCATION

D.G. Tesolowski (Assoc Prof) served on the Prime Study Group II for the 11th Institute on Rehabilitation Issues, which was funded by a grant from the National Institute of Handicapped Research in the Department of Education to the Stout Vocational Rehabilitation Institute at the University of Wisconsin-Stout in Menomonie, Wis.

As a result of the prime study group's efforts, the Research and Training Center at the UW-S has published a monograph, "Continuum of Services: School to Work." This document presents a discussion of services and issues related to vocational education, special education and vocational rehabilitation, which can facilitate the transition of students with disabilities from school to work.

## INDUSTRIAL ENGINEERING

C.R. Lindenmeyer (Prof) received a 2,000 grant from the Association of Textile Industrial Engineers for the purpose of initiating a research effort to develop an identification methodology for high risk textile operations leading to carpal tunnel syndrome. The research is directed through the Engineering Center for Automated Manufacturing Technology.

## LANGUAGES

M. Cranston (Assoc Prof) was one of two participants from the South at the first American-sponsored International Conference on Saint-John Perse (Nobel Prize for Literature, 1960) held in the new Chancery of the French Embassy in Washington, D.C., Dec. 27-29. He chaired a section on "Artistic Fusion in Saint-John Perse."

For the annual meeting of the Modern Language Association of America in Washington, D.C., Dec. 27-30, Dr. Cranston helped organize a special session to celebrate the centenary of Jules Supervielle, French poet laureate (1884-1960).

Prof. Cranston has published the following reviews:

-- Cyr, Gilles. *Diminution d'une piece*. Montreal. L'Hexagone, 1983, in *World*

*Literature Today*, Vol. 58:4, p. 569.

-- Fourcade, Dominique. *Le ciel pas d'angle*. Paris: P.O.L. 1983, in *World Literature Today*, Vol. 58:4, (Autumn 1984) 565.

-- Malrieu, Jean. *Dans les terres inconnues et quotidiennes, 1934-1976*. Pierre Dhainaut, ed. Marseille: Sud, 1983, in *World Literature Today*, 58:4, 565-6.

-- Riedel, Eva. *Strukturwandel in der Lyrik Rimbauds*. Muenchen: Wilhelm Fink Verlag, 1982, in *French Review* 158:2, (December, 1984) 295-6.

Prof. Cranston published: *Le Gai Savoir: Essays in Linguistics, Philology, and Criticism Dedicated to the Memory of Manfred Sandmann*, Washington, D.C., Catholic University of America, *Studia Humanitatis*, 1984. The book was supported by a \$1,000 grant from the graduate division, University of California at Berkeley.

S.E. Torres (Asst Prof) published a solicited review, Silvia Burunat and Julio Burunat's *Nuevas voces hispanas*, in *Hispania*, Vol. 67, No. 4 (December, 1984) 687-688.

## MANAGEMENT

J.K. Butler (Assoc Prof) and N.K. Womer (Prof, Econ and Mgt) had an article, "Hierarchical vs. Non-Nested Tests for Contrasting Expectancy Valence Models: Some Effects of Cognitive Characteristics," accepted for publication in *Multivariate Behavioral Research*.

Prof. Butler and R.S. Cantrell (Asst Prof) published a research note, "Effects of Role Familiarity on Measures Derived From a Behavioral Decision Theory Method," in *Psychological Reports*.

W.H. Hendrix (Assoc Prof) had a paper, "An Employee Directed Wellness Activity: The OCHAMPUS Health Promotion Program," accepted for presentation at the National Association of Social Workers Conference.

Prof. Hendrix had accepted "Assessing Risk in the Workplace: The OCHAMPUS Health Promotion Program" for presentation at the Prevention 85 Symposium of the American College of Preventive Medicine.

## MARKETING

M.C. LaForge (Asst Prof) has been selected for the 14th edition of *Who's Who of American Women*.

## MATHEMATICAL SCIENCES

J.V. Brawley (Alumni Prof) presented a paper, "Basic Sets and Vandermonde Independent Matrices Over a Finite Field" at the annual meeting of the American Mathematical Society in Anaheim, Calif., Jan. 11.

P.M. Dearing (Assoc Prof) has been

reappointed for a second two-year term as associate editor of *Operations Research Letters*.

C.R. Johnson (Prof) and L. Rodman (Tel Aviv Univ, Israel) published a paper, "Inertia Possibilities for Completions of Partial Hermitian Matrices," *Linear and Multilinear Algebra*, 1984, Vol. 16, 179-195.

Prof. Johnson also published "How Large Are Transitive Simple Majority Domains?" with J.M. Abello (Univ of Calif), in *SIAM Journal of Algebra Discrete Methods*, Vol. 5, No. 4, (December, 1984).

Prof. Johnson with B. Grone (Auburn Univ), E. Marques De Sa (Univ de Averoio, Portugal) and H. Wolkowicz (Univ of Alberta, Canada) published a paper, "Improving Hadamard's Inequality" in *Linear and Multilinear Algebra*, (1984) Vol. 16, 305-322.

J.W. Kenelly (Prof) has been appointed chairman of the Committee on Placement Examinations by the president of the Mathematical Association of America.

Correction: (to an item in the Jan. 30 Newsletter) -- R. Laskar (Prof) presented "Algorithms for Finding Strongly Stable Sets in Trees" written with S. Hedetniemi (Prof) and K. Ohtani (Ex-Grad Stu) at the national meeting of ORSA-TIMS in Dallas, Texas, Nov. 25-27.

R.D. Ringeisen (Prof and Assoc Hd) and S. Stuekle (Grad Stu) published a paper, "Generalized Petersen Graphs Which are Cycle Permutation Graphs" in *Journal of Combinatorial Theory*, Series B, Vol. 37, No. 2, (October, 1984) 142-150.

## MECHANICAL ENGINEERING

I.U. Haque (Asst Prof) presented a paper, "Steady State Techniques in Creep Force Estimation," written in collaboration with E.H. Law (Prof), at the 1984 winter annual meeting of the American Society of Mechanical Engineers in New Orleans, La., Dec. 9-14.

At that meeting, Prof. Law organized and chaired a session, "Dynamics and Control of Ground Vehicles."

B.K. Pearce (Former Assoc Prof), J.E. Jackson (Assoc Prof), M.W. Dixon (Prof) and F.R. Bourne (Former Grad Asst) had a paper, "Reduction of Seismic Loads in Cable Tray Hangars," published in *Nuclear Engineering and Design*, Vol. 81, (September).

## NURSING

M.J. Dick (Asst Prof) presented the paper "Burnout in Nurse Faculty: Its Relationships With Collegiate Support, Management Behaviors, and Workload in Collegiate Nursing Programs" at the third annual Research in Nursing Education Conference held in San Francisco, Calif., Jan 9-11.

## OFFICE OF THE PRESIDENT

B.L. Atchley (Pres) has been voted into the chapter of Sigma Nu's Hall of Honor at his alma mater, the University of Missouri-Rolla. He is one of the first 10 inductees into the Hall, which was established to recognize individuals who have given exceptional support to the Gamma Xi Chapter at the University of Missouri-Rolla and to the university itself.

## PARKS, RECREATION, AND TOURISM MANAGEMENT

F.A. McGuire (Assoc Prof) had a chapter, "Constraints on Leisure in Later Life" included in *Constraints on Leisure* (C.C. Thomas, 1985).

Prof. McGuire was appointed for a three-year term to the editorial board of *Leisure Today*, the major leisure publication of the American Alliance for Health, Physical Education, Recreation and Dance.

## PLANT PATHOLOGY & PHYSIOLOGY

M.H. Collins (Former Grad Res Asst), W. Witcher (Prof), O.W. Barnett (Prof), and W.L. Ogle (Prof, Hort Dept) published a paper "Reactions of 16 Cowpea Cultivars to Six Viruses" in *Plant Disease* 69(1):18-20.

S.W. Scott (Vstg Plant Path) and Prof. Barnett published a paper, "Some Properties of an Isolate of Broad Bean Wilt Virus From Dogwood (*Cornus florida*)" in *Plant Disease* 68(11):983-985.

## POULTRY SCIENCE

The following papers were presented at the Southern Poultry Science Society in Atlanta, GA, Jan. 22 & 23 included the following:

-- "Restoration of Preferred Body Weight and Lipostasis Following Alterations in Body Weight and Fat Mass" by C.S. Winstead (Grad Res Asst) and D.V. Maurice (Assoc Prof).

-- "Vitamin B<sub>12</sub> Dependent Biosynthesis of Leucine in Chickens" by N.E. Ward (Grad Res Asst), J.E. Jones (Prof), and Prof. Maurice.

-- "Vitamin B<sub>12</sub> Nutriture of Chickens Fed Raw Soybean Meal" by Ward, Prof. Jones, and Prof. Maurice.

-- "Reproductive Response of Turkey Hens Fed Different Concentrations of

Nicarbazin" by Prof. Jones, D.J. Castaldo (Grad Res Asst), Ward, B.L. Hughes (Prof), and J. Solis (Merck & Co., Rahway, N.J.).

-- "Fowl Cholera Immunity in Commercial Broiler Breeder Hens Determined by Enzyme-Linked Immunosorbent Assay (ELISA)" by J.W. Dick (Prof), A.P. Avakian (Grad Res Asst), W.T. Derieux (Vet Path), and C.W. Henry (Cargill, Inc., Frankford, Del).

-- "Antigenic Properties of Four Strains of *Pasteurella multocida* Determined by Enzyme-Linked Immunosorbent Assay (ELISA)" by Avakian, who received a certificate of excellence and \$25 award for his presentation, and Prof. Dick.

B.D. Barnett (Prof & Hd), as president of the American Poultry Historical Society, conducted the annual meeting of the society at the World Congress Center in Atlanta, Ga., Jan. 24.

## PUBLICATIONS AND GRAPHICS SERVICES

The department received, in conjunction with State Printing Co., a Telecommunications Typesetting Award from *Typeworld Magazine* for the 1984 *Agricultural Chemicals Handbook*. The award was presented for outstanding achievement in converting electronic data into typographic communication.

The department also received, in conjunction with Professional Printers, Ltd., a PICA (Printing Industry of the Carolinas, Inc.) Award of Excellence for its 1984 Calhoun College poster, "Sail the Unchartered Waters." The award was presented for excellence in concept, design, presentation and printing among educational posters.

## SOCIOLOGY

R.F. Larson (Prof & Hd) co-authored *Sociology of Social Problems* (Englewood Cliffs, N.J.: Prentice-Hall, Inc., 1985).

C. McKelvey (Asst Prof) published an article, "Sociological Knowing in a Humanist Sociology," in *Humanity and Society*, Vol. 8, No. 3 (August, 1984), 283-303.

J.W. Ryan (Asst Prof) published a review of R.R. Faulkner's *Music on Demand: Composers and Careers in the Hollywood Film Industry* (Transac-

tion Books, 1983) in *Social Forces* Vol 63, 2 (December, 1984), 589-590.

Prof. Ryan also published an instructor's manual to accompany Horton Leslie and Larson's *The Sociology of Social Problems*, 8th ed. (Prentice-Hall Inc., 1985).

C.M. Sieverdes (Assoc Prof) presented "Criminal Victimization Patterns in the Southeast" at the governor's statewide Rural Crime Prevention Seminar in Columbia, Oct. 29-30.

Prof. Sieverdes served as a discussant for a panel, "Issues in the Study of Juvenile Justice," at the annual meeting of the American Society of Criminology in Cincinnati, Ohio, Nov 7-11.

M.F. White (Assoc Prof) co-authored a chapter, "The Female Guard in the All-Male Prison" in *The Changing Roles of Women in the Criminal Justice System: Offenders, Victims, and Professionals* edited by Imogene L Moyer (Prospect Heights, Illinois: Waveland Press, Inc., 1985).

## Indoor track now open at Littlejohn for faculty, staff

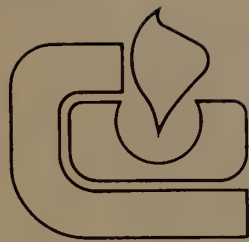
If cold, rainy weather dampens your enthusiasm for outdoor exercise, here's some hot news for you.

The indoor track in Littlejohn Coliseum is now open at certain hours for all members of faculty and staff and for students who would like to walk or jog indoors, says Banks McFadden, director of intramurals.

"Because of several requests from faculty and staff, the athletic department has authorized use of the track on a trial basis for the remainder of this semester," says McFadden.

An individual from the intramural department will be stationed at Gate 2, he says, where users will sign in each time they use the track. The sign-in record will then be evaluated throughout the rest of this semester to determine if the track is used enough to justify a supervisor for the track.

The track is open 11:30 a.m.-1:30 p.m., Monday through Friday. For more information on the use of the track call 656-2116.



# Events

FEB 27 1985

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

**Mar. 1-8**

**LECTURES**

March  
1-31

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

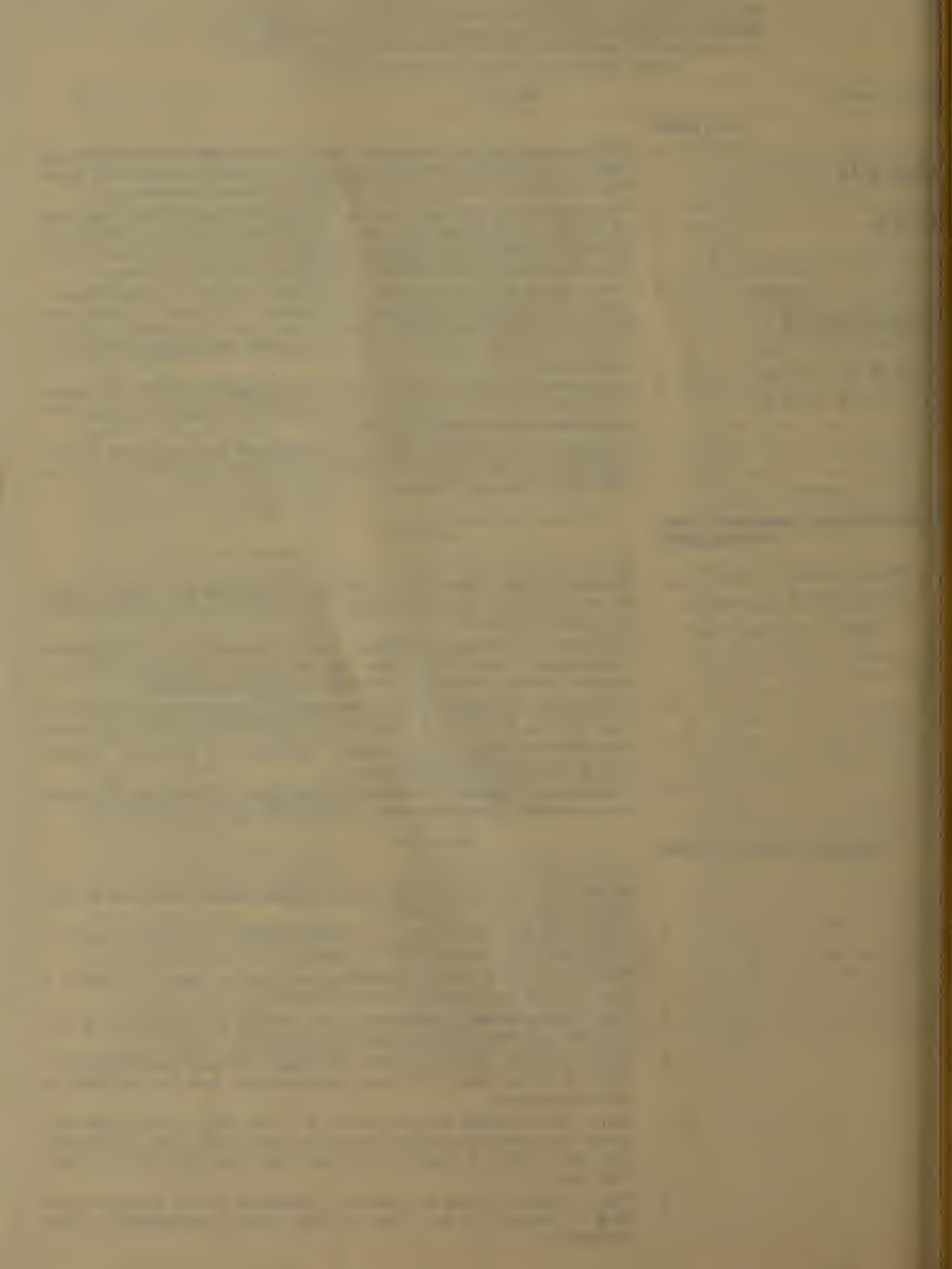
- 4 "Religion and Politics in America" series with Charles W. Dunn, professor and head of political science. Sponsored by the Thurmond Institute, Daniel Hall Auditorium, 3:30 p.m. Call 656-4700 for more information.
- 5 "Television News as Show Business" by Christine Craft, former newscaster at KMBC-TV in Kansas City, Kan., author and lecturer. Sponsored by College of Liberal Arts, Thurmond Institute, and Speakers Bureau, Tillman Hall Auditorium, 8 p.m. Reception follows in the Alumni Center.
- 6 "The Sacred and Secret Diaries of a Southern Planter" by Carol Bleser, a professor from Tulane University. Sponsored by College of Liberal Arts, Lemon Lecture Series, and Southern Studies, Lyles Auditorium in Lee Hall, 8 p.m. Reception follows in Lee Hall Gallery. Call 656-3153 for more information.
- 6 English Hour Lecture by Roger Rollin, a professor of English. Sponsored by English department, 108 Strode Tower, 3:30 p.m. Open to public. Free. Call 656-3151 for more information.
- 7 "Religion and Politics in America" series with the Rev. Jerry Falwell. Sponsored by the Thurmond Institute, Tillman Hall Auditorium, 7 p.m. Call 656-4700 for more information.

**CONFERENCES, SEMINARS, AND WORKSHOPS**

- 4-6 Seminar: "Project Management: Planning, Scheduling and Control." Sponsored by Professional Development, 9 a.m.-4:30 p.m. daily. Call 656-2200 for more information.
- 5 Workshop: "Developing a Market Plan." Sponsored by Small Business Development Center, 367 Serrine Hall, 7-9:30 p.m. \$10 for University employees, \$20 for others. Call 656-3227 for more information.
- 5-6 Conference: "Spinning and Yarn Preparation." Sponsored by Professional Development, Ramada Inn, Clemson. Call 656-2200 for more information.
- 6-7 Seminar: "Pre-retirement Education." Sponsored by Personnel Division. Call 656-2426 for more information.
- 6-8 Conference: "Highway Conference." Sponsored by Continuing Engineering Education, Clemson House. Call 656-3308 for more information.

**MUSIC, FILM AND DRAMA**

- 1 Music: "The Heartfixers," blues and rock band, Edgar's, 8 p.m.-12, \$3. Call 656-2156 for more information.
- 3 Film: "Vacation." Sponsored by University Union, Y Theater, 7 and 9:15 p.m. Free with University I.D., \$1 others.
- 4 Film: "High Plains Drifter." Sponsored by University Union, Y Theater, 8 p.m., \$1. Call 656-2460 for more information.
- 5 Film: "Spring Break," Sponsored by University Union, Edgar's, 7 & 9:15 p.m., \$1. Call 656-2156 for more information.
- 5 Drama: German play by students. Sponsored by languages department, Daniel Hall Auditorium, 8-10 p.m. Open to public, free. Call 656-3393 for more information.
- 5 Film: "The Threshold of Liberty," No. 5 in "The Shock of the New" film series. Sponsored by visual arts and history department, Lyles Auditorium, Lee Hall, 4:30 p.m. Open to public. Free. Call 656-3081 for more information.
- 6 Film: "Antonia: Portrait of a Woman." Sponsored by Five Directions Cinema, Y Theater, 7:30 p.m. Open to public. Free. Call 656-3069 for more information.





- 7 Music: Clemson University Concert Series: The Slovenian Symphony Orchestra. Sponsored by music department, Littlejohn Coliseum, 8 p.m. Students present activity cards for admission, others present season tickets (\$20 for adults, \$10 for students), or get tickets at the door, \$6 for adults, \$2 for children 16 and under, \$2 for student dates. Call 656-3043 for more information.
- 7 Film: "Why Man Creates" and panel discussion on "Women and Creativity" moderated by Becky Marcon, an assistant professor of psychology here, following the ballet performance (see Other Events-March 7). Sponsored by College of Liberal Arts, Thurmond Institute, and Speakers Bureau, Room 108, Strode Tower. Open to public. Free. Call 656-3263 for more information.

### SHORT COURSES

- 3 "Hang-gliding #1." Sign up at Union Information Desk, \$20 per session, 1:30-5 p.m. Call 656-2461 for more information.
- 4 "Basic Bartending." Sign up at Union Information Desk or call 656-2461.
- 5 "Color Analysis #1," \$15, 7-9 p.m. Call 656-2461 for more information.
- 6 "Rape Prevention." Sign up at Union Information Desk or call 656-2461 for more information. Free.
- 7 "Beginning Golf." Sign up at Union Information Desk or call 656-2461 for more information.

### SPORTS

- 2 Basketball: Winthrop College, men, 5 p.m.
- 7-8 Baseball: Old Dominion, 3 p.m.
- 8-9 Tennis: Clemson Spring Tennis Classic, women.

### OTHER EVENTS

- 1 Oyster roast: Kresge Lodge, Camp Hope, 6 p.m. Sponsored by University Club. Call 656-2345 for more information.
- 2 Veterinary Aptitude Test. Sponsored by Counseling and Career Planning Center, 8 a.m.-noon. Call 656-2451 for more information.
- 2 Graduate Record Exam. Sponsored by Counseling and Career Planning Center, 8 a.m.-5 p.m. Call 656-2451 for more information.
- 3-9 Exhibit: by Kate Salley Palmer, cartoonist whose work has appeared in the Greenville News. Sponsored by College of Liberal Arts, Thurmond Institute, and Speakers Bureau, Union Gallery. Open to public. Free. Call 656-3263 for more information.
- 3-9 Exhibit: Selection of Fictional Works by Living American Women Writers. Sponsored by College of Liberal Arts, Thurmond Institute, and Speakers Bureau, Cooper Library. Call 656-3263 for more information.
- 3-10 Women's History Week. Sponsored by College of Liberal Arts, Thurmond Institute, and Speakers Bureau.
- 6-8 Exhibit: Tim and Elaine Smith display their hand-made jewelry, Union Art Gallery. Call 656-2461 for more information.
- 7 Ballet performance by Jan Klugh, ballet instructor, and her partner, Paula Donahoe. Sponsored by College of Liberal Arts, Thurmond Institute, & Speakers Bureau, Daniel Hall Auditorium, 7 p.m. Open to the public. Free. Call 656-3263 for more information.
- Through March 4 Second Clemson National Print and Drawing Exhibition. Sponsored by College of Architecture, Rudolph E. Lee Gallery, Lee Hall. Call 656-3081 for more information.
- Through March 7 "Feeling Great," a program of aerobic dance, fitness and fun for first through sixth graders. Sponsored by YMCA, Tuesday and Thursday, 3-4 p.m., YMCA recreation gym. Call 654-2361 for more information.
- Through March 15 "Dancin' Aerobics." Sponsored by YMCA, morning class: Monday-Friday, 9-10 a.m., YMCA recreation gym; afternoon classes: Monday, Wednesday, Friday, 5:20-6:20 and 6:30-7:30, and Tuesday, Thursday, 5:30-6:30 p.m., at YMCA Center. Call 654-2361 for more information.
- Continuous "Men's Fitness." Sponsored by YMCA, Monday, Wednesday, Friday, 12:10-12:50, YMCA Center. Call 654-2361 for more information.
- Continuous "Jazzercise." Sponsored by YMCA, YMCA Center, Monday and Wednesday, 5:30-6:30 p.m. and Thursday, 6-7 p.m. Call 654-2361 or 656-2460 for more information.
- Through April "Akido," a coed martial arts program of instruction and practice, taught by a certified Black Belt instructor. Sponsored by YMCA, YMCA Center, Monday and Wednesday, 8-10 p.m. Call 654-2361 or 656-2460 for more information.





MAY 6 1985

# Newsletter

March 6, 1985  
Vol 24 No 25

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Insurance office answers your questions on dental coverage

Since the state-paid dental insurance plan became effective last month, many employees have had questions about the coverage available to them, says Ron Herrin, director of Payroll and Employee Benefits.

Here -- according to calls received at the Payroll and Insurance office -- are the most frequently asked questions about the new dental plan.

*When was the dental coverage effective?*

Feb. 15, 1985, for all employees and covered dependents in eligible status before Feb. 15, 1985.

*Where can I obtain dental claim forms?*

Forms are available in the Payroll and Insurance Office, G13 Sikes Hall.

*Must I pay the dentist and then get a claim to get my money back?*

You must work with your dentist to determine what he or she will accept and how his or her office is willing to work out financial arrangements regarding to the dental coverage.

*Do I have to use a specified dentist?*

No. You may use the dentist of your choice.

*How will I know what is or is not covered by the dental program?*

In the back of the dental booklet, there is a list of dental procedures and allowable charges. Be sure to read Section VII--Exclusions and Limitations (page 13) of your booklet. If you have questions on exactly what is covered and how much will be paid, you should get a pretreatment estimate. Hence, your dentist can be notified regarding amounts allowable toward the services your dentist is proposing. R.E. Harrington Inc., carrier for the dental insurance program, has provided a toll-free number for inquiries: 1-800-854-2925.

*What is the initial benefit period or start?*

The first period will be from Feb.

15, 1985, to June 30, 1985. A new benefit period will begin July 1, 1985, and run through June 30, 1986.

*Q: What is the maximum benefit payable per contract year?*

**A:** The maximum benefit payable per contract year is \$1,000 per person.

*Q: Is there a deductible on the dental coverage?*

**A:** There is no deductible on Class I services. There is, however, a \$25 deductible per person on Classes II and III services.

If you have further questions about your dental coverage, stop by the Payroll and Insurance Office in G13 Sikes Hall or call 656-2000.

## WHEN helps women promote growth in their careers

If you're a woman who would like to know more about what's going on with your female colleagues in higher education, there is an organization here that could help you out.

The local chapter of the Women in Higher Education Network (WHEN), a national organization that helps promote the professional growth of women through addressing these and related concerns, invites you to join its membership, says steering committee member Susan McWhorter.

WHEN was organized here in 1982, says McWhorter, a classification and compensation manager in the Personnel Office, and its goal, she says, is two-fold: to help women learn about college and university operations and policies and to provide opportunities for them to associate with their colleagues.

But a primary benefit of attending the meetings, she says, is that women learn more about services and activities the University offers.

"For instance," she says, "some people did not know we have a Nurs-

ing Center here until they heard Dr. Sara Barger, who directs the center, talk about it at one of our meetings."

Clemson women aren't the only ones who belong to the organization, however. Employees from nearby colleges -- Anderson, Central Wesleyan, and Tri-County Technical -- join the women here in WHEN activities and meetings, and this interaction proves to be a way of expanding professional contacts, says McWhorter.

Although WHEN is a local chapter, she says, through the state organization many WHEN members participate in activities of the American Council on Education's National Identification Program for the advancement of women in higher education administration (ACE).

Each college has an ACE representative, she says, who reports on activities, conferences and advancement information made available through the state planning committee.

Almeda Boettner, director of housing, is the Clemson representative, and Joy Smith, dean of Student Life, is the editor of the state organization's newsletter.

Local WHEN meetings are held at the Holiday Inn on the second Wednesday of each month, with a noon buffet (\$6) and a speaker. At the next meeting, March 13, Thea McCrary, public safety investigator here, will talk about "Rape Awareness."

At the April 10 meeting, Ada Lou Steirer, a past member of Clemson's city council, will talk about "Women in Politics." And Janis Moore, manager of the University's Visitors Center, will speak May 8.

WHEN has no membership dues. It is open to all full-time professional women, whether staff or faculty members, in higher education. "If you go to the meetings, you become a member," says McWhorter.

For more information on the organization, call her at 656-2426.

### DID YOU KNOW?

There were 6,925 job applicants for classified staff positions with Clemson University for fiscal year July 1, 1983, through July 1, 1984.



**Special visitor** -- Textiles Prof. Fred Simon recently had a special visitor in his class -- his wife, Irene. Mrs. Simon has given a donation to the School of Textiles to establish the "Frederick T. Simon Award for Excellence in Color Science." Mrs. Simon (center, front row) listens as her husband talks about the role of color in fashion marketing.

## Textiles establishes 'Simon Award'

The School of Textiles has established the Frederick Tyler Simon Award for Excellence in Color Science.

The award was established by Irene Schoening Simon to recognize contributions in color science by her husband, Frederick Tyler Simon, who holds the J.E. Serrine Professorship of Textiles.

Before Simon came to Clemson in 1968, he was a scientist with Union Carbide Corp. and a director of the textile lab at the Good Housekeeping Institute in New York. In addition to his duties here, he is a consultant to several companies.

Simon received a diploma from Philadelphia College of Textiles and Science, a bachelor's degree in chemistry from the University of Charleston (West Virginia), and a master's degree in physical chemistry from Marshall University.

He has received major grants from IBM and the Department of the Army to carry out his research in color science.

The \$250 cash award, which Mrs. Simon established in her husband's name, will be given annually to a textile undergraduate who has exhibited outstanding potential for contributions in the field of color science.

Investment income from the endowment fund in excess of \$250 will be

reinvested with the endowment principal until it totals \$10,000. At that time the annual award will be discontinued, and the Frederick Tyler Simon Scholarship will be established.

Contributions can be made to the endowment principal, which is held by the Clemson University Foundation.

## Break for spring

Just in case your holiday computer happens to crash with a memory failure, you might want to create a backup disc for your relaxation system.

Tie a string around your finger to remember these dates: March 14-15. Those days, according to the Personnel Office, are the official "spring break" days for employees. Enjoy.



The Clemson University Newsletter is published for Nelson Howell, district Extension chairman of the Savannah Valley District, and for all the members of the University faculty and staff by the Department of Publications and Graphic Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

## Classified Information



### Answers to Questions from Classified Staff

**Q:** When an employee is promoted and that employee's current salary above the minimum rate for the new position to which promoted, can the employee receive an increase in salary?

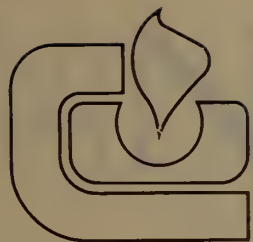
**A:** Yes. University policy for fiscal year 1984-85 provides that a promotion of one grade makes the employee eligible for an increase of up to 4 percent or to the minimum of the new position whichever is greater. A two-grade increase will make the employee eligible for an increase of up to 8 percent or to the minimum of the new position, whichever is greater. A three-grade or more increase will make the employee eligible for an increase of up to 10 percent or to the minimum of the new position whichever is greater.

(Editor's note: Since the remaining questions for this month's column were about the new dental insurance coverage, which applies to all employees, that information is presented as a regular news item. The story appears on page 1.)

If you have a question related to University-wide issues of concern to classified employees, you are invited to send it to the Commission on Classified Staff Affairs, P.O. Box 2121, University Station.

## DID YOU KNOW?

The University has a total of 3,696 employees. This number includes: 1,138 nine-months and 12-months faculty; 2,270 classified staff; and 288 unclassified staff.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

## March 8-15

### CONFERENCES, LECTURES AND MEETINGS

March  
-31

M	T	W	T	F	S
				1	2
4	5	6	7	8	9
11	12	13	14	15	16
18	19	20	21	22	23
25	26	27	28	29	30

- 8 Lecture: "Religion and Politics in America" with the Rev. Jerry Falwell. Sponsored by Thurmond Institute, Tillman Hall Auditorium, 7 p.m. Call 656-4700 for more information.
- 12-13 Conference: "Carpet Manufacturing Technology." Sponsored by Professional Development, Holiday Inn, Clemson. Call 656-2200 for more information.
- 13 Meeting: "Rape Awareness" by Thea McCrary. Sponsored by Women in Higher Education Network, Clemson Holiday Inn, noon. Call 656-2426 for more information.

### SPORTS

- 7-8 Baseball: Old Dominion, 3 p.m.
- 8-9 Tennis: Clemson Spring Classic, women.
- 15-16 Swimming: NCAA diving pre-quals, women and men.

### OTHER EVENTS

- Through March 31 Exhibit: "Southeastern Indians." Sponsored by Special Collections Unit of Cooper Library in conjunction with history department's lecture series on Southeastern Indians, main lobby of Cooper Library, 7:45 a.m.-1 a.m. Monday-Thursday, 7:45 a.m.-11 p.m. Friday, 8 a.m.-6 p.m. Saturday, 1 p.m.-1 a.m. Sunday. Free. Call 656-3024 for more information.
- 11-15 Spring Break.
- Through March 15 "Dancin' Aerobics." Sponsored by YMCA, morning class: Monday-Friday, 9-10 a.m., YMCA recreation gym; afternoon classes: Monday, Wednesday, Friday, 5:20-6:20 and 6:30-7:30, and Tuesday, Thursday, 5:30-6:30 p.m., at YMCA Center. Call 654-2361 for more information.
- Continuous "Men's Fitness." Sponsored by YMCA, Monday, Wednesday, Friday, 12:10-12:50, YMCA Center. Call 654-2361 for more information.
- Continuous "Jazzercise." Sponsored by YMCA, YMCA Center, Monday and Wednesday, 5:30-6:30 p.m. and Thursday, 6-7 p.m. Call 654-2361 or 656-2460 for more information.
- Through April "Akido," a coed martial arts program of instruction and practice, taught by a certified Black Belt instructor. Sponsored by YMCA, YMCA Center, Monday and Wednesday, 8-10 p.m. Call 654-2361 or 656-2460 for more information.





# Newsletter

MAR 12 1985

March 13, 1985  
Vol 24 No 26

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Music department salutes Bach during week of his 300th birthday

"Ask 100 people to name the most significant composer who ever lived, and probably 98 percent of them will say, 'Bach,'" says music department head John Butler.

To pay tribute to Johann Sebastian Bach on his 300th birthday, March 21, the music department has scheduled a weeklong "Bach Festival" that will offer an overview of the music of the beloved composer.

Bach wasn't so well-known during his lifetime. Says Butler: "He had 20 children, four or five of whom were composers and who were actually better known than he was."

It wasn't until the 19th century that the world began to see and appreciate the magnificence of Bach's compositions, according to Butler, who says, "Actually, many of his best works had been lost, and it wasn't until much later that they were found cast away in attics, some of them used as wrapping paper."

The festival begins March 19 with a "Salute to Bach" featuring pianist Allan Harder, an associate professor of music; Martha Kitterman, a member of the Greenville Symphony; soloist Jo Gaddis, a professor of mechanical engineering; Willard Cottrell, a former Clemson music instructor who is now Spartanburg Methodist College; and the Clemson Chorale Society. The performance, free, will be in Daniel Hall Auditorium at 8 p.m.

Here are the remaining events of the week:

• March 20 -- "Organ Music of Bach," with compositions for Bach's favorite instrument by Don Latham, a visiting instructor of English; Rick Binson, a freshman industrial engineering major; Steve Grant, an instructor of music at Anderson College; Robert Moffat, a teacher of English at Lenoir; and Mary Alice Edmonds, a teacher in the Anderson public schools. His performance, also free, is scheduled at 8:30 p.m. at the Holy Trinity Episcopal Church in Clemson.

• March 21 -- "Bach: The Well-bred Cavalier," a lecture/demon-

stration of the variety of treatments of Bach's music. Butler, with tapes and live performances, will present excerpts of original pieces for the harpsichord and will demonstrate other treatments from classical to disco of the master's music. The lecture, free, is scheduled for 3 p.m. in Daniel Hall Auditorium.

• March 21 -- "The Lucktenberg Duo," with Jerrie and George Lucktenberg performing an all-Bach program with the harpsichord and Baroque violin. The duo will take the stage in Tillman Hall Auditorium at 8 p.m. This program, a part of the Concert Series, is free for students with activity cards, \$2 for children and student dates, and \$6 for others.

• March 22 -- "The Six Brandenburg Concertos of Johann Sebastian Bach," featuring the New York Chamber Soloists, a 20-piece ensemble, who will perform in Tillman Hall Auditorium at 8 p.m. as a part of the Concert Series. Tickets are \$6 for the public; \$2 for children and student dates; and free for students with activity cards.

For more information on festival activities, call Butler at 656-3043.

## Priest to speak on religion and politics

The first Roman Catholic priest elected as a voting member of Congress will continue the "Religion and Politics" lecture series here March 18.

The Rev. Robert Drinan, who served five consecutive terms in the U.S. House of Representatives, will speak at 7 p.m. in Lyles Auditorium in Lee Hall.

Affectionately known as "our father who art in Congress," Drinan in 1980 gave up his House seat at the request of Pope John Paul II. This marked the first time a pope had asked a priest to resign from office.

A keen advocate of civil liberties and social service, Drinan supports federal funding of abortions for the indigent. He is a professor of law at Georgetown



Drinan

University Law Center in Washington, D.C., and has traveled extensively on human rights missions overseas.

Henry Abraham, a professor of government and foreign affairs at the University of Virginia, will be the final speaker in this series sponsored by the Thurmond Institute.

He will speak March 22 at 3:30 p.m. in Lyles Auditorium.

Abraham has been a visiting professor at the universities of Helsinki, Oslo, Stockholm, Hamburg and London. He is a member of the council of editors of the "Journal of Church and State" and has written several books and articles on political subjects, including "Religion, Medicine, and the State."

Both lectures and the informal receptions that follow are free and open to the public.

## No Newsletter next week

Because of the spring break March 14-15, the Newsletter and the Calendar of Events will not be published March 20.

The Newsletter, along with the calendar, will resume its regular weekly schedule March 27.

## DID YOU KNOW?

The Clemson University Post Office processes 87,041 pieces of U.S. metered mail each month. Each day it processes 1,800 pieces of stamped outgoing mail, 5,000 pieces of inter-office mail, and 65 pieces of state agency incoming and outgoing mail.

## Group encourages faculty/staff meeting attendance

The Commission on Classified Staff Affairs is looking for ways to encourage more classified staff members to attend general meetings of the faculty and staff.

The meetings -- held in Tillman Hall Auditorium at the beginning and end of the fall semester and just before commencement each May -- are open to all members of the faculty and staff and usually include updates on University matters from President Bill Atchley and Provost David Maxwell and comments from the Faculty Senate president.

Some of the sessions include special activities, such as honoring retiring faculty members and presenting the alumni award for distinguished public service.

Also, faculty votes are sometimes held. For example, at the May meeting each year the faculty is asked to approve the graduating senior nominated by the Scholarships and Awards Committee to receive the Norris Medal.

At its regular February session the staff commission discussed asking that a report from the commission chairman be added to the faculty/staff meeting agenda. Chairman Jane Kidd said she would pursue that idea with Provost Maxwell, who presides at faculty/staff meetings.

The commission also discussed sending a memo to deans, directors and department heads asking them to encourage classified staff members to attend the meetings.

Commission members also said they would like the Newsletter to run articles reminding staff members of the meetings.

## Edward Duke brings Wodehouse alive in one-man comedy

He's been called "a one-man assault on the funny bone" and "a superb acting talent who can leave you with a case of the idiot grins."

You'll have the opportunity to judge for yourself March 18 when British actor Edward Duke performs in Tillman Hall Auditorium at 8 p.m. his internationally acclaimed comedy "Jeeves Takes Charge."

The comedy, conceived by Duke from the writings of P.G. Wodehouse, includes 12 characters ranging from Madeline Basset, "the woman God for-



Edward Duke as 'Bertie'

got," to Freddie Fitch-Fitch and Gussie Fink-Nottle, "the newt lover," all of whom Duke himself plays.

Of the characters, however, the most popular are those of the servant-master team: Jeeves, the "gentleman's gentleman," and Bertie Wooster, the bumbling twit who narrates the "Jeeves" stories.

Duke, 32, was educated in British public schools, studied Japanese dancing at the Kabuki Theatre in Japan, and continued his training with Britain's Arts Educational Trust.

He has appeared at the Apollo Theatre of London in a 750-performance run of "Why Not Stay for Breakfast?" and in two films -- "The Silver Bears" and "The French Lieutenant's Woman" with Meryl Streep and Jeremy Irons.

Duke has spent the last two years, however, researching, writing and rehearsing "Jeeves," a performance that has earned him a Most Promising New Actor Award from the Society of West End Theatre in London.

For this final event in the Performing Artist Series, which is sponsored by the Alumni Association and the University Union, you may use your season

ticket or buy a ticket in the lobby Tillman Hall on the evening of the performance -- \$5 for students and \$10 for others.

## President to consider naming new day-care study committee

The President's Council Feb. 22 took under advisement a recommendation from the Commission on Classified Staff Affairs that a "study group" be appointed to investigate the need, feasibility and desirability of establishing University Child Care Program."

The Council did not vote on the recommendation, but President Bill Atchley said he would consider the request.

(The Council is an advisory body to the president.)

Atchley appointed a day-care study committee in 1981 that, after conducting a survey of employees and graduate students, chose not to recommend setting up a program.

In asking that the matter be reopened the staff commission reported: "Several employees have asked the Commission on Classified Staff Affairs to recommend to the university administration that a new study of this subject be initiated."

In other business at its February meeting, the Council adopted without dissent a recommendation from the Commission on Graduate Studies regarding the policy on how a graduate student can satisfy a foreign-language requirement.

The revision allows the student to satisfy the requirement by either passing undergraduate courses designed for graduate students or, if the student has already had some instruction experience in the language, by passing a translation test administered by the languages department.

Under the change, a complete waiver of any testing would no longer be possible.



The Clemson University Newsletter is published for Jan Ligon, a vehicle operator II with the Physical Plant, and all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKen  
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Production Assistant \_\_\_\_\_ Carla Rees

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.





# Newsletter

March 27, 1985  
Vol 24 No 27

MAR 27 1985

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Robinson says future athletic program 'on sound footing'

Bobby Robinson has been chosen to lead the University's athletic program, Dean of Student Affairs Walter T. Cox announced March 8.

A 12-year veteran of the program here, Robinson said of his appointment, "I want to express my appreciation to Dean Cox and Dr. Atchley for giving me this great opportunity. Clemson has an outstanding athletic program and the future is on sound footing. I will do everything in my power to make sure that the program moves forward in a very positive manner."

A Columbia native, Robinson, 38, graduated from Furman University in 1968 with a bachelor's degree in business and political science. He worked for two years with a family business before coming here in 1970.

Robinson moved from the Office of Student Affairs to the athletic department as an administrative assistant in 1973 and has since held the positions of business manager, assistant athletic director, golf coach and finally associate athletic director.

In his most recent position, Robinson has handled budgets for all sports programs, personnel management, purchasing, scheduling payrolls, administration of grants-in-aid programs, summer camps and administration of all men's and women's sports.

In announcing the appointment, Cox said, "Bobby Robinson quickly emerged as the most qualified candidate for the job. In fact, two other leading candidates withdrew their names in deference to him."

President Bill Atchley, in approving the appointment, expressed "a great deal of confidence" in Robinson. "I think this is an excellent choice, and one that gives me a good feeling about the future of the department," Atchley said.

Robinson has been serving as acting athletic director since Feb. 15, when Al McLellan began a leave of absence that ended March 1 with his resignation.



Robinson

"Under the circumstances, we felt a need to make a decision quickly in order to maintain continuity in the program and morale among staff members," Cox said. "An advisory committee met for an hour and a half Thursday to review applications and unanimously agreed that the best person for the job was the man already doing it."

## University reaches out to touch new telephone system

You may want to get a good look at your old telephone over the next few months, for come July you won't have it around to answer anymore.

The University's telephone system, which dates back to 1969, is being relegated to the antique shop. And it's being replaced, says John Newton, assistant vice president for Business Services, with a "modern integrated voice and data telecommunications system."

Some of the system features (meaning those features common to the entire University-wide system) include push-button dialing; automated access to long distance from on and off campus; automatic route selection to determine the least costly route by time of day for a long distance call; station

message detail recording to capture the call detail for subsequent billing; direct international dialing capability; and digital communications for data.

Station features (meaning features on your own "station" or phone) include "many convenient options," says Newton, ranging from call forwarding and call transfer to ring again, station-controlled conference, speed calling, call pickup and call park.

The features, Newton says, are designed to make your telephone communications both within and outside the University more efficient.

"The meet me conference feature, for example, which allows you to talk with up to six people, could allow you to hold a ministaff meeting over the phone by calling a designated number at a specified time," he says.

"And, if you want your calls to come directly to you, that will free receptionists and secretaries -- if your department chooses -- for more pressing jobs."

Phase one of implementing the new system is already in progress, says Newton, and that includes the process of bringing additional cable pairs on campus from the new digital central office and the installation of new phones in dormitories.

"By the end of the semester," he says, "we hope to have all of the rotary dial phones in the dorms replaced with push-button sets. We'll also have installed modular jacks along with the new phones that will allow students to plug in their modems or data interface units and their microcomputers so they will have access to selected data resources on or off campus from their rooms."

Phase two, or a needs analysis for offices and departments, has been conducted simultaneously with phase one. Newton in late January held meetings with departments to help prepare them for subsequent visits by Southern Bell representatives to determine the number of lines, features and sets needed.

"The departments know their needs better than anyone else, and we need their involvement and cooperation to make the transition as smooth as possible," he says.

(Continued on page 2.)



**New phone** -- *Kenny Rowland, a senior political science major from Anderson, says his new phone "saves a lot of time." Rowland, president of the East Calhoun Courts Dorm Council, and other students at Calhoun Courts were the first to experience the new phone system which will be ready for the entire University July 22.*

(Continued from page 1.)

Phase three took place with the actual ordering of the equipment, which was to have been wrapped up in mid-March, or after the completion of the needs analysis.

"In late March we will be replacing the Clemson House Hotel PBX and selecting a site for one of the towers in the state's microwave system for video, voice and data circuits," says Newton. "The electronic equipment and fiber optic cable to connect the campus to the state's tower will be ordered in April."

Then, phase four will be the installation of the new phones in the faculty and administrative offices. All phones will be placed in the offices a week before the cutover date. A round-the-clock "flash cut" is scheduled to begin Friday night, July 19, with the cutover to the new central office scheduled for 6 a.m., Saturday, July 20.

"When we report to work on Monday, July 22," says Newton, "the new phone lines and features should be in operation."

Training sessions will begin, says Newton, in early June. The telephone coordinators from each office will be trained on the new system and will, in turn, train the personnel in their departments.

"Training sessions will be held with groups of 10," he says, "and they'll be given a full day of hands-on experience in using the new phone system features."

But training won't stop with the

switchover to the new system. "We'll have a hotline set up on Monday, July 22, after the cutover," says Newton. "A team will be available to answer questions and help with problems that may arise."

Since there will be a lot of new phone numbers, an interim phone directory will be given to employees on Friday before the switchover. This directory will last until October, when the regular directory will be issued.

"With approximately 5,900 telephone lines and sets in the University's communications system," says Newton, "there will be many opportunities for an error to occur, but I know that with everyone's cooperation we can have a smooth transition."

"We are depending on the department telephone coordinators," he says, "and look forward to working with them in the coming weeks."

## Cancer treatment expert to give Edwards lectures

Seymour S. Cohen, an expert in the use of chemotherapy to treat cancer and infectious diseases, is the invited speaker in this year's R.C. Edwards Science and Technology Lectures series.

Cohen will give three lectures during his three-day visit here April 1-3 as guest of Calhoun College and The Honors Program.

Cohen is an American Cancer Society Professor of Pharmacological Science and a Distinguished Professor in the School of Medicine at the State University of New York in Stony Brook, Long Island.

He has conducted research in the chemistry of viruses and nucleoproteins, the metabolism of bacteria and virus-infected cells, and cancer and infectious disease.

His research and teaching career includes positions as guest investigator



**Cohen**

at the Institute du Radium in Paris, a visiting professor at the College de France in Paris and the University of Tokyo; and Guggenheim and Ladd Davis Fellow of Faculty Agriculture in Israel.

Here is Cohen's lecture schedule for the three days:

• "Perspectives for the Chemotherapy of Infectious Disease and Cancer," April 1, 8 p.m., Lyles Auditorium, Lee Hall.



The Clemson University Newsletter is published for John Pitner, director of the Pee Dee Research and Education Center, and for all the members of the University faculty and staff by the Department of Publications and Graphic Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrel  
Production Assistant \_\_\_\_\_ Carla Reeve

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

•"Joseph Priestley and Thomas Cooper in the Development of Early American Chemistry," April 2, 4:30 p.m., room 131, Brackett Hall.

•"Polyamine Metabolism in Plant Cells and Studies on the Chemical Control of Autumn," April 3, 2:30 p.m., room 201, Kinard Laboratory of Physics.

The lectures are supported by the Robert Cook Edwards Endowment for Excellence in Science and Technology, which honors Clemson's eighth president.

Sponsors for this year's lectures include, in addition to Calhoun College, the chemistry, biological sciences and plant pathology and physiology departments.

## Peace Corps office opens in Barre Hall

It's not only the student fresh out of college who joins the Peace Corps these days. Anyone from 18 to 80 may join the ranks of this volunteer organization, and if you've ever thought about signing up, you may want to talk with Mike Doherty.

Doherty, as a representative of the Peace Corps, last month set up the first Corps office in the state in 211 Barre Hall.

A graduate student in agricultural economics and rural sociology and a former Peace Corps volunteer, Doherty says he would appreciate your help in spreading the word about the office not only to students but also to interested members of the faculty and staff.

"We often have positions that require organizational and managerial skills available in the less-developed countries," says Doherty, who served as a lecturer in industrial education at the University of the South Pacific.

If you've been working or teaching for a few years and have gained experience in a particular field, your experience could help make you a valuable candidate for the Peace Corps, he says.

Doherty says he will be happy to visit classes, clubs or organizations to talk with employees and students about the Peace Corps. Since the office opened, he says, he has had six applicants and expects more as word of the opening gets around.

"Records show that volunteers have a very high satisfaction rate with the Peace Corps," he says. "I think that about 98 percent of those returning are really enthusiastic about their experience."

For more information on the Peace Corps or to have Doherty come to your class or meeting, call 656-2004.



**Armstrong honored** -- George Miller Armstrong, a former head of the plant pathology department, has been honored with the establishment of an endowment which will begin an undergraduate program to attract students to the field of plant pathology. This photo of Armstrong was taken shortly after his retirement.

## Endowment supports plant pathology

William M. Epps, a former head of the plant pathology and physiology department, and his wife, Evelyn, have given a \$10,000 endowment to establish an internship-fellowship program here.

The endowment, says department head Joe Dickerson, will be used to establish the George Miller Armstrong Plant Pathology and Physiology Undergraduate Development Program.

"The intent of this gift," he says, "is to honor Dr. Armstrong by establishing internships-fellowships to attract and train undergraduates in plant pathology."

Armstrong, who headed the botany and bacteriology department from 1928 to 1956, specialized in Fusarium wilt diseases of crop plants. The Epps family established the endowment "in recognition of Dr. Armstrong's dedication to research, departmental leadership, and especially to undergraduate teaching, through which he stimulated an interest in plant pathology in many students."

The endowment will assist financially worthy undergraduate students as they learn research philosophy and techniques through actual experience in a laboratory.

Preference will be given to students enrolled in the College of Agricultural Sciences, but qualified students in other colleges may be considered.

The student should be between a last-semester freshman and a second-

semester senior and should be academically qualified to receive the internship-fellowship.

Both Armstrong and Epps have retired and live in Clemson.

## Nominations due April 1 for research award

Nominations for the 1985 Alumni Award for Outstanding Research sponsored by Phi Kappa Phi and Sigma Xi are due April 1.

The nominations are open to faculty members engaged in "scholarly or scientific inquiry," who have been in residence here at least two years and who have not previously received the joint Sigma Xi/Alumni Association Outstanding Research Award.

Your letter of nomination should include with it a curriculum vitae, a record of graduate student supervision, copies of no more than six recent or significant publications, and four letters of endorsement.

Additional information and nomination forms are available from your department head or dean.

Send your nomination to Tom McInnis, Chairman, Award Committee; Department of Biological Sciences, 233 Long Hall.



Haymond

## She's first woman to earn doctorate in forestry here

Jackie Haymond has always tried to be first.

That desire, coupled with an old-fashioned work ethic and a modern attitude toward a woman's role, has made her a pioneer both in academia and in her career.

After working as a secretary for several years, the Ninety Six native was among the first in the world to become a certified professional secretary. Twenty years later, she was the first female to get a master's degree in forestry here. Now, at age 52, she is in line to be Clemson's first female Ph.D. graduate --if not the first Ph.D. -- in forestry.

Haymond shrugs it off modestly: "I like the challenge of doing more than others who might be attempting the same project. I like to win, and I don't mind working harder than anybody else in order to do that. Being smart is very important, but more important is the desire to win and to accomplish something."

She has adhered to that philosophy throughout her career, sometimes to her disadvantage when she was a secretary. "I never did stick with a secretarial job very long because I'd get bored once I felt I'd accomplished it. I always wanted to move on to something new."

When she and her husband, Bob, settled in Clemson in 1969, she got a bachelor's degree in business education and taught for a quarter at Tri-County Tec. But she quickly decided teaching wasn't for her.

"I started looking about for an area where I could build a career and not just earn a little money. I like to work outside, and I prefer working with men. I also wanted something unique for a woman, so I chose forestry."

Haymond got her master's in 1978

and took a job with the Extension Service as a forester. When the College of Forestry implemented their Ph.D. program three years later, she enrolled.

She has completed her research on foresters in eight Piedmont counties and expects to get her doctorate in May or August.

Combining school with a full-time job and a family hasn't been easy, but Haymond says it would have been impossible without the help of her husband and two sons, who also are students here.

"We're all independent and supportive of one another's endeavors," she says. "It'd be difficult to say my husband and I shared responsibilities equally. He says I've done more, and I say he's done more."

She admits she's had to let a lot of the extras -- and many of the basics -- go, but she still serves her husband coffee in bed each morning before hopping on her Honda motorcycle and riding to work.

A strong believer in developing one's potential, Haymond says she'd do it over and recommends returning to school for other women -- if their husbands are supportive.

"At age 40 when many women are through raising their children they have at least 25 more years to be productive," she says. "A woman should consider all the possibilities before her instead of locking herself into what she may have done in her 20s before she had a family."

As for age, Haymond sees that an older person returning to college has a distinct edge. "It has really worked to my advantage. I feel freer and more receptive to ideas."

She paused, smiled and said: "For me, life began at 50."

## Entomology honors the late Prof. King with memorial fund

The entomology department has established within the Clemson University Foundation the E.W. King Memorial Fund to honor the teacher who devoted 30 years of service here to the field of entomology and general biology.

King, a professor emeritus of entomology who died last December, taught 20 different courses to about 4,000 students during his career, says John Morse, a professor of entomology.

"Dr. King was a highly respected scientist and teacher in our department and will be sorely missed by all who knew him," says Morse.

"He took great pride in the quality of

his instruction. His effective use of simple models to demonstrate functional principles and his delight in injecting puns and light poetry in lectures are legendary."

The memorial fund, says Morse, has been established "in keeping with King's own interests in basic entomology and especially his sincere concern for students."

Former students of the late Dr. King established the fund, says Morse, with a contribution of \$1,000. As soon as a principal of \$5,000 is accumulated, annual awards from the interest income of the endowment may be provided to students in entomology.

King received his bachelor's degree in entomology from the University of Massachusetts, his master's from Virginia Polytechnic Institute and his doctorate from the University of Illinois.

During his last 10 years, he pursued his interest in biological illustration, says Morse, and his prints, commissions and notepaper are now known and enjoyed throughout the Southeast.

His "Coloring Fun With Insects" book, commissioned by the Entomological Society of America, has "broad appeal," says Morse, "and will likely attract many young people to entomology."

For information on how to contribute to the memorial fund, call 656-2121.

## Students design courthouse plans

Architecture students and Family Court judges in Gaffney have joined forces to solve a baffling case -- the design of the family courtroom in Cherokee County.

Architecture Prof. Don Collins fought wind of the problem last fall in a letter from Family Court Judge Clay Laney. The Cherokee County Court had just given the court facilities in the courthouse for a family courtroom, as well as space for the judge and Department of Youth Services.

However, the plot deepened: the quarters were in the basement and a totally unsuitable for use as a courtroom. The space needed to be gutted and rebuilt. Rigorous specifications had to be met.

Within the space, Laney wanted a conference room, space for a stenographer, two toilets, office space, a break room and a "brief" room -- all with the aura and dignity essential to a courtroom.

Collins, whose students often design projects for communities as part of Clemson's public service role, smelt a challenge.

The students went to work and completed their designs earlier this month. Laney, used to being an impartial judge

## DEPARTMENTAL NOTES

Announcements of professional accomplishments of faculty and staff members appear in the last Newsletter of each month.

### AGRICULTURAL ECONOMICS & RURAL SOCIOLOGY

C.B. Ersenkal (Former Grad Res Asst) and B.L. Dillman (Prof) published an article, "The Product Cycle and Shifts in the Location of Manufacturing," in *Regional Science Perspectives*, 14(1), (February, 1985).

Prof. Dillman published a book review of "Agricultural Decision Making: Anthropological Contributions," in *The Annals of Regional Science*, XVIII(2): 92-4, (July 1984).

The following presented papers at the 31st Tobacco Workers Conference in Pinehurst, N.C., Jan. 7-10:

-- M.I. Loyd (Prof) and R.W. Sutton (Assoc Prof) presented "An Analysis of the Grade/Quality Distribution of Flue-Cured Loan Stocks."

-- Prof. Sutton, Prof. Loyd, and D.M. Shuffett (Univ of Ky) presented "An Analysis of the Tobacco Price Support Formula."

-- L.A. Stanton (Assoc Prof) presented a paper, "A Computerized Determination of Economic Rent and Value of Flue-Cured Tobacco Allotment."

-- C.S. Thompson (Prof) and C.W. Dangerfield (Grad Res Asst) presented a paper, "The Market for Flue-Cured Tobacco Quota in South Carolina."

Prof. Thompson, G.M. Clary (Asst Prof), and J.W. Jordan (Prof) published an article, "Economics of Purchasing Genetically Superior Beef Bulls," in the *Southern Journal of Agricultural Economics*, 16(2):31-36, (December, 1984).

### AGRICULTURAL ENGINEERING

G.D. Christenbury (Prof) received a \$2,000 grant from Carolina Power and Light Company for continued support of farm process energy studies.

B.J. Griffin (Assoc Prof) was recently re-elected to a three-year term on the executive board of the National Institute of Building Sciences.

The following participated at the Beltwide Cotton Production Technical Conference, in New Orleans, La., in January.

-- T.H. Garner (Prof) chaired the regional technical committee (S-195, Engineering and Management System for Cotton Production, Harvesting and Processing).

-- Prof. Garner also presided at the joint session of Cotton Ginners' Conference and the Agricultural Engineers' Regional Research Committee.

-- J.R. Lambert (Prof) was an invited speaker for the general session and presented "Risk Management With On-Farm Crop Simulation."

The following papers were presented at the Southeast Region of the American Society of Agricultural Engineers meeting in Biloxi, Miss., Feb. 4-5:

-- "Comparison of Sampling Methods for Measuring Volatile Organics in Ground Water" by R.E. Gossett (Grad Stu) and R.O. Hegg (Prof).

-- "Designing Animal Ventilation Schedules and Counterflow Heat Exchangers" by W.H. Allen (Assoc Prof) and F.A. Payne (Assoc Prof).

-- "Modeling Ventilation Systems for a Stacked Cage Broiler Facility" by Prof. Allen.

-- "Biogas From Corn Silage" by Prof. Hegg.

J.C. Hayes (Assoc Prof) presided over two sessions: "Engineering Into the 21st Century" and "Production and Environment."

The following participated in the South Carolina Council of Engineering Societies annual joint meeting in Columbia, Jan. 18, giving presentations on computer applications and demonstrations:

-- "Electronic Spreadsheets for Microcomputers" by R.A. Spray (Prof).

-- "Construction and Machinery Selection Applications" by F.J. Wolak (Assoc Prof).

-- "Beam Analysis Spreadsheet" by W.H. Allen (Assoc Prof).

-- "Grain Drying Spreadsheet" by J.M. Bunn (Prof).

-- "Soil and Water Spreadsheet" by C.V. Privette (Assoc Prof).

-- "Word Processing Software" by F.J. Wolak (Assoc Prof).

Engineering applications interchanges were led by:

-- R.O. Hegg (Prof) -- structures and environment division.

-- R.B. Dodd (Asst Prof) -- power and machinery division.

-- J.T. Ligon (Prof) -- soil and water division.

-- F.A. Payne (Assoc Prof) -- electric power and processing division.

### AGRONOMY

J.A. Martini (Prof) published the following:

-- *Introductory Soil Science-Principles and Relationships, Lecture Notes*, 275.

-- *Introductory Soil Science-Principles and Exercises, Laboratory Manual*, 2nd Ed., 273.

-- "Effect of Liming and Fertilization on Sulfur Availability, Mobility, and Uptake in Cultivated Soils of South Carolina" in *Soil Science* (6), 403-410, 1984.

(Continued on page 6.)

shed his robes and agreed to become the jury, marking the first time a judge has served on one of the college's juries.

He selected four designs -- which Collins presented to the Cherokee County Council earlier this month.

Although councilmembers cannot formally adopt a plan, they can use one as a guideline for a professional architect to follow.

## AFROTC Unit chosen No. 1 in nation

Clemson's Air Force Reserve Officers Training Corps (AFROTC) detachment has been named the best in the nation.

Detachment 770 was named number one by the U.S. Air Force ROTC Headquarters after competing against 152 other college units from around the country.

Col. Lewis E. Jordan, unit commander, called the ranking a tribute to the people here who have "set the standard" for AFROTC detachments in such areas as student recruiting, community service and development of student leadership potential.

"Our use of microcomputers in recruiting was one thing that brought us national attention," Jordan said.

A computer program developed by Capt. Rick Sorrenti helps the department keep track of interested high school seniors, making direct mail recruiting efforts more efficient.

Enrollment in the Air Force program here has jumped from 114 in 1977 to more than 300 this year, representing about 3 percent of the student body.

## State's newspapers like gardening packet

If interest in the gardening packet prepared by the agricultural communications department is any indication, 1985 could be a record year for home gardening in the state.

More than 50 newspapers in South Carolina and neighboring states have requested copies of the packet which contains almost two dozen stories and features on home vegetable and ornamental gardening. It also contains gardening pictures, drawings and planning, planting and variety charts keyed to different areas of the state.

The department has prepared a gardening packet annually since 1975. However, in recent years, because of budget cuts, the packets have been mailed only to editors who request them.

(Continued from page 5.)

## ARCHITECTURE

P.D. Pearson (Dean) gave a lecture, "Pioneering Women Architects From Finland at the AIA Headquarters in Washington, D.C., Feb. 25.

Dean Pearson, L.C. Miller (Prof, Hort) and L.T. Fitch (Prof, ECE) talked about urban growth, decay and renewal in South Carolina cities on ETV's "Carolina Journal" Feb. 21.

## CHEMICAL ENGINEERING

J.M. Haile (Prof), W. Moran (Staff Sci, Livermore Natnl Lab) and W.G. Hoover (Prof of Apld Sci, Univ of Calif at Davis) published a paper, "Homogeneous Periodic Heat Flow via Non-equilibrium Molecular Dynamics," in the *Journal of Statistical Physics*, 37, 109 (1984).

## CHEMISTRY AND GEOLOGY

R.A. Abramovitch (Prof), G.H.C. Ooi (Res Assoc), Han-li Sun (Res Assoc) M. Pierrot, A. Baldry, and J. Estienne Estienne (Univ of Aix-Marseille III, Marseille, France) published a paper, "The Reaction of Saccharin Derivatives with N,N-Diethylprop-1-ynamine: Formation of Cyclobutenyl Saccharinates and of a Spiro-Oxete," in *Journal of the Chemical Society, Chemical Communications*, (1984) 1583.

Prof. Abramovitch presented a seminar at the University of Minas Gerais in Belo Horizonte, Brazil, on "Enium Ions: Generation and Applications." He also visited the University of Sao Paulo at Ribeirao Preto, and the State University of Campinas in Campinas, Brazil.

Prof. Abramovitch, R. Bartnik (Res Assoc), J. Beese (Postdoc Fellow, and S. Kato (Postdoc Fellow) published a paper, "Reactions of Aryloxonium Ions With Benzene, Phenol and Aromatic Amines. Participation of Oxidative Processes" in *Nouveau Journal de Chemie*, (1984) 8, 571.

D.D. DesMarteau (Prof & Hd) was an invited speaker at 11 West Coast universities in January. He presented "Carbon-Nitrogen Multiple Bonds as Reactive Intermediates in the Synthesis of Novel Fluorochemicals" in the chemistry departments of the University of California at Irvine, Davis, San Diego, Santa Barbara, Berkeley and Los Angeles and at the University of Southern California, Stanford University, University of Washington and the University of British Columbia. The lecture tour was organized by the California Institute of Technology.

J.W. Huffman (Prof) presented a seminar, "Introduction to Natural Products Chemistry" at the University of Tennessee at Chattanooga, Feb. 8.

J.D. Petersen (Assoc Prof & Assoc Dean Sci) served on a National Science Foundation panel to evaluate proposals for the College Science Instrumentation Program in Washington, D.C., Feb. 13-16.

Prof. Petersen presented an invited lecture on "Visible Light Photoproduction of Hydrogen" at North Carolina State University, Feb. 11.

G.T. Tissue (Assoc Prof) and A. Bailey (Res Asst) presented an invited paper, "Sediment-Water Interactions Revealed by Concentration Gradients at the Interface" at a symposium "WOTS Symposium on Water Quality Studies: Richard B. Russell and Clarks Hill Lakes," at Hickory Knob State Park, Feb. 5-6.

The following lectures were given at the Seventh Winter Conference on Flourine Chemistry sponsored by the American Chemical Society, in Orlando, Fla., Feb. 3-8:

-- "Chemistry of N-Bromodifluoromethanimine and Tetrafluoro-2,3-diaz-1,3-butadiene" by C.W. Bauknight Jr. (Grad Res Asst) with co-authors B.A. O'Brien (Vstg Asst Prof) and Prof. DesMarteau.

-- "New Derivatives of the Remarkable Acid  $(CF_3SO_2)_2NH$ " by S. Singh (Assoc Prof) with co-author Prof. DesMarteau.

-- "(Perfluoroalkyl) Iminoselenyl Chlorides" by J.S. Thrasher (Former Vstg Asst Prof) with co-authors Prof. DesMarteau and Bauknight.

-- "A Potpourri of Surprising Results in the Synthesis and Reactions of Fluorinated Materials" by Prof. DesMarteau with co-authors M.L. Robin (Former Asst Prof), S.H. Hwang (Grad Asst) and Prof. Singh.

## CIVIL ENGINEERING

F.M. Croft (Grad. Stu) and J.E. Clark (Prof) presented a paper, "A Quantitative Measure of Levels of Service" at the annual meeting of the Transportation Board in Washington, D.C., Jan. 13-17.

## COMPUTER SCIENCE

R.M. Geist (Assoc Prof) and R.A. Wagner (Duke Univ) published a paper, "The Crippled Queen Placement Problem," in *Science of Computer Programming* 4(1984).

Prof. Geist with J. Dugan, K. Trivedi, and V. Nicola (Duke Univ) published a paper, "Extended Stochastic Petri Nets: Applications and Analysis," in *Proceedings of 10th International Symposium on Computer Performance*, in North Holland in December.

Prof. Geist gave an invited address, "The Perceived Effect of Breakdown and Repair on the Performance of Multiprocessor Systems," at the IEEE

Workshops on Reliable Modeling Tool in San Juan, Puerto Rico in February.

M.K. Smotherman (Asst Prof) gave an invited address, "The Uncertain Principle in Reliability Modeling," the Workshop on Reliability/Availability Modeling Tolls and Their Application in San Juan, Puerto Rico, Feb. 5-7.

## ELECTRICAL AND COMPUTER ENGINEERING

J.W. Lathrop (Prof) presented a lecture, "The Changing Nature of Integrated Circuit Reliability," at the University of North Carolina at Charlotte Feb. 21.

## ELEMENTARY AND SECONDARY EDUCATION

E.B. Galloway (Alumni Prof) serve as a consultant to SACS (Southern Association of Colleges and Schools) 10-year self-study for the Walhall Middle School in Oconee County.

Prof. Galloway presented "Effective Use of Teacher Aides" in-service at Edgefield County Schools Jan. 29.

Prof. Galloway presented "Compensatory Teaching" in-service, in School District 50, Greenwood, Jan. 24.

W.W. Pennscott (Prof) conducted listening and communication skill training session for volunteers with the Spartanburg Rape Crisis Center.

V.B. Stanley (Assoc Prof) presented "A Direct Instruction Model" and "Using Children's Literature to Teach Basic Skills" to the Chapter I and Compensatory teachers of Anderson School District 5 at Whitehall Elementary School, Feb. 15.

## ENGLISH

H.B. Bryant (Assoc Prof) read "The Menippean Tradition: Samuel Butler *Erewhon Revisited*" at the Conference on Literature and Film at Florida State University in Tallahassee, Fla., Jan. 31.

Prof. Bryant published a review of *Parallel Lives: Five Victorian Marriages* by Phyllis Rose in *The South Carolina Review*, 17, No. 1 (1984), 115-119.

S.K. Eisiminger (Assoc Prof) published "Radical Melioration," an essay, in *The Sesquipedalian* (Spring 1985).

R.R. Rollin (Lemon Prof) reviewed E.H. Hageman's *Robert Herrick: Reference Guide* (Boston: G.K. Hall 1983) for *Seventeenth-Century New* (Fall, 1984) 35-6.

D.C. Tillinghast (Assoc Prof) published "Back to Our Cabin" (nonfiction) in the *Texas Review*, 5, Nos. 3 and 4 (1984-5) 108-112.

Prof. Tillinghast's poem "The Science of Hitting" has been included in the anthology *Wild and Green*, Pittsford, N.Y.: State Street Press, 1984. The poem will also appear in the *Texas Review*.

E.P. Willey (Assoc Prof) published

four poems: "Asleep" in *Arachne*, "Registry" and "Crazy Jake" in *Alura Poetry Quarterly*, and "Memorabilia" in *Midway Review*.

## ENTOMOLOGY

The 59th meeting of the Southeastern Branch, Entomological Society of America was held at the Hyatt Regency, Greenville, Jan. 28-31. Serving as committee chairpersons and officers at that meeting were:

R. Noblet (Prof), program; P.A. Zungoli (Asst Prof), student awards; G.R. Carner (Prof), local arrangements; W.P. DuBose (Vist Asst Prof), public relations; L. Lemke (Grad Res Asst), student affairs; S.G. Turnipseed (Prof), nominating; and T.R. Adkins (Prof), secretary-treasurer.

Among the papers presented at that meeting were:

-- "Genetic Studies of Permethrin Resistance in the Tobacco Budworm, *Heliothis virescens*(Fabricius)" by G.T. Payne (Grad Res Asst) and T.M. Brown (Assoc Prof).

-- "Histopathology of a Mixed Infection of Iridescent Virus and Nuclear Polyhedrosis Virus in Larvae of *Anticarsia gemmatalis*" by P.J. Sieburth (Grad Res Asst) and G.R. Carner (Prof).

-- "Status of Hessian Fly in South Carolina" by J.W. Chapin (Assoc Prof).

-- "Evaluation of Fundal<sup>R</sup> on Cotton or Yield Enhancement and Synergism With Pyrethroids" by J.A. DuRant (Prof).

-- "The Effect of Prodone on Native Ant Populations" by L.A. Lemke (Grad Res Asst) and J.B. Kissam (Prof).

-- "Threshold Studies of Pod Feeding Corn Earworm and Late Season Velvetbean Caterpillar in Soybean" by M.J. Sullivan (Prof), S.G. Turnipseed (Prof), and Prof. Chapin.

-- "Residual Control of Velvetbean Caterpillar with Permethrin" by Prof. Chapin and Prof. Sullivan.

-- "Biology of Two Species of Beaded Cecidewing (Neuroptera: Berothidae)" by R. Brushwein (Grad Stu).

-- "Response of *Brachymeria ovata* (Hymenoptera: Chalcididae) to Live and Freezer-Stored Pupae of the Velvetbean Caterpillar (Lepidoptera: Noctuidae)" by J.F. Grant (Vstg Asst Prof) and R. Noblet (Prof).

-- "Life History of *Brachymeria ovata*, a Chalcid Parasitoid of Soybean Looper Pupae and Its Development in Freezer-Stored Hosts" by J.F. Grant (Vstg Asst Prof).

-- "The Occurrence of Natural Mortality Factors of *Heliothis* sp. Collected in Different Maturity Groups of Soybean in S.C." by B.C. Cotterill (Grad Res Asst), Prof. Carner, and Prof. Turnipseed.

-- "Seasonal Occurrence of Insect Parasitoids of Lepidopterous Larvae in

Soybean in South Carolina" by G.S. McCutcheon (Instr).

-- "Laboratory Bioassay of Green Tobacco Leaf Constituents on *Heliothis virescens*(F.) Larvae" by A.W. Johnson (Prof) and R.F. Severson (USDA, Athens, GA).

-- "Attitudes, Education, Programs and Urban Entomology" by P.A. Zungoli (Asst Prof).

-- "Response of Trees to Wood Boring Insects" by Joe Kovach (Grad Res Asst).

-- "Epizootiology and Transmission of Leucocytozoonosis in Poultry" by Prof. Noblet and S. Horosko III (Grad Stu).

-- "Control of Black Flies and Suppression of Leucocytozoonosis in Turkeys" by Horosko and Prof. Noblet.

-- "Understanding the Effects of Northern Fowl Mite Populations on Poultry: How Far Have We Come?" by Lemke.

-- "Survival of Swine Itch Mite, *Sarcoptes scabiei* var. *swis*, at Three Different Temperature Regimes After Removal from its Host" by A.A. Weathersbee III (former Grad Res Asst) and T.R. Adkins Jr. (Prof).

-- "Within Field Distributions of the Parasitoids of *Heliothis zea* on Corn and Soybean" by J.D. Culin (Asst Prof).

-- "Colonization By, and the Temporal and Spatial Distribution of Selected Predators in Soybeans" by D.E. Scotten (Grad Res Asst) and Prof. Culin.

-- "Modified Systematic Insecticide Use Strategies for Aphid Control in Irrigated Pecan Orchards" by D.R. Alverson (Assoc Prof).

-- "Threshold Concentrations of Organophosphinates as Malathion Synergists in *Tribolium castaneum*" by Prof. Brown and P.K. Bryson (Res Spec II).

-- "Effect of Nematicides on Soybean Insects" by Prof. Turnipseed, John Mueller (Edisto Sta), and Prof. Sullivan.

-- "Extension Activities Related to the Boll Weevil Eradication Program" by M.E. Roof (Asst Prof).

-- "Defense Adaptations in *Dasymutilla* Velvet Ants" by D.G. Manley (Assoc Prof).

-- "Defense Strategies of Aquatic Insects: Examples, Patterns, and Questions" by P.H. Adler (Asst Prof) and J.C. Morse (Prof).

The National Conference of the Entomological Society of America was held in San Antonio, Texas, Dec. 9-13. Among the papers presented were:

-- "Home Remedies vs. New Techniques for Fire Ant Control" by L.A. Lemke (Grad Res Asst) and J.B. Kissam (Prof).

-- "Susceptibility of all Larval Instars of *Anticarsia Gemmatalis* (Hubner)

(Lepidoptera: Noctuidae) to an Iridescent Virus" by P.J. Sieburth (Grad Res Asst).

-- "Impact of Native and Exotic Parasites on the Velvetbean Caterpillar in South Florida" by V.H. Waddill (Univ of Fla), J. Powell (USDA, Stoneville, Ms), M. Shepard (Prof, LWOP) and G.R. Carner (Prof).

-- "Bioassay of Fungal Pathogens of the Brown Planthopper, *Nilaparvata lugens*" by Prof. Shepard and M. Rombach, R.M. Aguda and D.W. Roberts (IRRI, Manila, Philippines).

-- "How Do Eight Species of *Prosimulium* (Diptera: Simuliidae) Occupy the Same Stream?" by P.H. Adler (Asst Prof), R. Barrera, and K.C. Kim (Penn State Univ).

-- "Tagging *Heliothis zea* with Rubidium Chloride in Artificial Nectar, and Examination of Local Movement Patterns" by Prof. Cullin and Prof. Alverson.

-- "A New Format for the Presentation of Insect Rearing Procedures" by R.F. Moore (Adj Prof & USDA-ARS, Florence) and P. Singh (USDA-ARS, Florence).

-- "The Relationship Between Laboratory and Field Data for a Resistant Population of *Blatella germanica* (L.)" by P.A. Zungoli (Asst Prof).

S.B. Hays (Hd & Prof) received a service award at the National Conference of the Entomological Society of America in San Antonio, Texas, Dec. 9-13. The award was presented for service to the American Registry of Professional Entomologists.

Prof. Hays served as southeastern representative to the Governing Council of the Registry at that meeting.

## ENVIRONMENTAL SYSTEMS ENGINEERING

A.R. Abernathy (Prof) and M.E. Newman (Grad Stu) jointly presented a paper co-authored with W.D. Nicholas (Grad Stu), "Mercury Mobilization From Soil and Its Uptake by Fish Resulting From the Filling of Richard B. Russell Reservoir" at a symposium on Water Quality Studies sponsored by the U.S. Army Corps of Engineers, Hickory Knob State Resort Park, Feb. 5-6.

R.A. Fjeld (Assoc Prof), R.O. Gauntt (Sandia Laboratory) and A.R. McFarland (Texas A&M Univ) published "Bipolar Charging of Near-micrometer Sized Aerosol," in *IEEE Transactions on Industry Applications*, Vol. IA-20, #6 (Nov/Dec 1984).

## FINANCE

E.J. Ferreira (Asst Prof) had a paper, "A Re-examination of the Assumable Loan Value in Creative Finance" accepted for the 1985 Southwestern Finance Association Meeting in New Orleans, La., in March.

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Prof. Ferreira presented a paper on "An Analysis of the Creative Financing Value in House Prices: An OPM Extension" at the 1984 Southern Finance Association Meeting in Atlanta in November.

Prof. Ferreira served on the program committee at the Atlanta meeting and was selected to serve on the program committee for the 1985 Southern Finance Association meeting in November in Dallas, Texas.

Prof. Ferreira and G.S. Sirmans (Asst Prof) had a paper accepted, "The Capitalization of Creative Financing in House Prices in Perfect Capital Markets: A Note" in *The Appraisal Journal*.

Prof. Ferreira and Sirmans published "Assumable Loan Value in Creative Financing" in *Housing Finance Review* (April 1984).

## FOOD SCIENCE

S.R. Bhowmik (Asst Prof) presented an invited paper, "Computer Modeling in Heat Processing of Retortable Pouch," at the Indian Institute of Chemical Engineers in Calcutta, India, Dec. 8.

Prof. Bhowmik presented an invited paper, "Advances in Packaging of Fresh Fruit and Vegetables," at the department of food technology and biochemical engineering at Jadavpur University in Calcutta, Dec. 18.

Prof. Bhowmik presented an invited paper, "Recent Trends in Food Preservation and Packaging," at the National Conference on Recent Trends in Processing of Cereals, Pulses and Oil Seeds at the Indian Institute of Technology in Kharagpur, W.B., India, Dec. 19.

Prof. Bhowmik published a book review of *Measurements in the Rheology of Foodstuffs* in the *Cultured Dairy Products Journal* of the American Cultured Dairy Products Institute, Vol. 20, No. 1 (February, 1985) 29.

The following papers were presented at the 82nd annual meeting of the Southern Association of Agricultural Scientists, Food Science and Human Nutrition Section, Feb. 3-6:

-- "Apple Juice Production by Metallic Membrane Ultrafiltration" (winner of student awards competition) by Z.A. Louvieri (Grad Asst), R.L. Thomas (Asst Prof) and P.H. Westfall (Res Spec).

-- "Digestibility of Phytate-Reduced and Phenolic-reduced Soy Protein Isolates" by M.A. Ritter (Grad Asst), C.V. Morr (Stender Prof), and R.L. Thomas (Asst Prof).

-- "Recovery of Whey Protein Concentrates by Spherosil QMA Adsorption" by C.M. Barker (Grad Asst) and Prof. Morr

-- "Effects of Calcium Chloride Upon the Fractionation of Low and High

Methoxyl Pectins in Sweet Potatoes" by G.P. Burch (Grad Asst) and Prof. Thomas.

-- "Shelf Life of Individually Shrink-wrapped Tomatoes" by G.J. Hulbert (Grad Asst) and Prof. Bhowmik.

-- "Physicochemical Properties of Phytate-reduced Soy Proteins" by J.R. Brooks (Grad Asst) and Prof. Morr.

-- "Dietary Fiber Effects on Bread Characteristics and Flour Protein Quality" by B.A. Zartman (Grad Asst), R.L. Dick (Res Spec) and J.C. Acton (Prof).

-- "Muscle Myofibrils for Studying Heat-Induced Gelation and Texture Development" by J.R. Yen (Grad Asst), Dick, and Prof. Acton.

-- "Techniques of Evaluating Gelation of Proteins and Protein Gel Ultrastructure" by K.E. Robinson (Grad Asst), Dick, and Prof. Acton.

-- "Oxygen Transmission of Packaging Films and Light Display Effects on Color Properties of Fermented, Semi-dry Sausage" by T.W. DeMasi (Grad Asst) and Prof. Acton.

Prof. Acton and D.L. Burge (Former Grad Res Asst) published an article, "Rheological Properties of Comminuted Meat Batters and the Relationship to Constituent Interactions," in the *Journal of Food Technology*, Vol. 19, 719-725.

## HISTORY

L.J. Greenspoon (Assoc Prof) reviewed H. Heater Jr.'s *A Septuagint Translation Technique in the Book of Job* in *Journal of Biblical Literature* 103 (1984) 643f. He also reviewed T.G. Butler's *Joshua* in *Catholic Biblical Quarterly* 47 (1985) 112f.

C.H. Lippy (Assoc Prof) presented a paper, "Millennialism and the American Popular Mind," at the annual meeting of the S.C. Academy of Religion at North Greenville College, Feb. 16. He also served on the Academy's nominating committee.

## HORTICULTURE

The following papers were presented at the Southern Region, American Society for Horticultural Science (ASHS) meeting in Biloxi, Miss., Feb. 3-5:

-- "Fertilization With Drip Irrigation in Pecans" by J.B. Aitken (Prof).

-- "Design Proposal for Relocation of Historical Hanover House" by D.W. Bradshaw (Assoc Prof), M.T. Haque (Assoc Prof) and H. McMahan (Stu).

-- "Integration of Fluazifop-Butyl Into a Production System for Vegetable Weed Control" by T.G. Boucounis (Grad Stu) and W.L. Ogle (Prof).

-- "Effect of Planting Date and Plant Spacing on Growth and Yield of Fall Planted Strawberries" by J.D. Caldwell (Asst Prof).

-- "Effects of Preharvest Topping on

Peach Fruit Quality" by D.C. Coston (Assoc Prof) and K.E. Johnson (Grad Stu).

-- "Growth Responses of Peach Roots and Shoots to Soil and Foliar Applied PP333" by Prof. Coston and J.G. Williamson (Grad Stu).

-- "Influence of Bud Position on Time of Flowering and Fruit Growth of Peach" by Prof. Coston and L.C. Grappadelli (Grad Stu).

-- "Effects of Promalin, 6-BAP and Daminozide on Vegetative Growth of Peach" by Prof. Coston and T.E. Elkner (Grad Stu).

-- "Observations on Mode of Action of Peach Bloom Delaying Chemicals" by Prof. Coston and Elkner.

-- "Me, Author a Book?" by R.G. Halfacre (Prof).

The following were presented at the poster session of the ASHS meeting:

-- "A Residential Case Study of Design for Low Maintenance" by M.B.T. Haque (Assoc Prof) and J. Martin (Stu).

-- "Industrial Interface With a Student Design Team" by Prof. Haque.

-- "Strawberry Cultivar Trials in Piedmont South Carolina" by J.D. Caldwell (Asst Prof) and K. Herman (Grad Stu).

## HOUSING



Catherine Martin of Clemson was presented the Custodian of the Month award for January. She has been employed with the Housing Office since October, 1974.

## INDUSTRIAL EDUCATION

J.P. Crouch (Almn Prof) and W.E. Sherman (V Pres, Eastman Kodak) spoke on "The Nature and Needs of People for the 90's in the Graphic Communications Industry" at the National Association of Printers and Lithographers Top Management Conference Feb. 9-14 at South Seas Plantation, Captiva Island, Fla.

## INDUSTRIAL ENGINEERING

C.R. Lindenmeyer (Prof) gave a presentation, "Designing 'Things' for Human Use Ergonomics in Action" to the Anderson Chapter of the Adminis-



trative Management Society in Anderson, Feb. 5.

## LANGUAGES

J.B. Macy (Asst Prof) served as a consultant for Beaufort County's Academic Olympic Competition at Hilton Head Island, Feb. 16.

M. Cranston (Assoc Prof) was elected to a second three-year term as editor of *The Comparatist*, the official journal of the Southern Comparative Literature Association, at the SCLA meeting in Pensacola, Fla., Feb. 14-16. She will continue to serve as an ex-officio member of the association's advisory board.

L.T. Perry (Assoc Prof) presented a paper, "El neoclasicismo, una evaluación por Larra en Su 'Don Timoteo o el literato'" at the Florida State University Conference on Literature and Film in Tallahassee, Fla., Jan. 30-Feb. 1.

H.E. Stewart (Prof) published "Teaching Third-year Surveys: Methodology Plus Attitude" in *Dimension: Languages '83*, (November, 1984) 61-67.

## MANAGEMENT

M.D. Crino (Assoc Prof), M. White (Assoc Prof, LSU) and S. Looney (Asst Prof, LSU) had "In The Eye of the Beholder" accepted for publication in

*Academy of Management Journal*.

Prof. Crino, Prof. White, and J. Hatfield (Assoc Prof, UGA) had "An Empirical Test of the Parsimony of Perceptual Congruence Scores" accepted for publication in *Academy of Management Journal*.

W.H. Hendrix (Assoc Prof) had a paper, "Relationship of Job Stress, Individual Characteristics, and Life Style on Coronary Artery Disease Risk and General Health," accepted for presentation at the 1985 American Industrial Hygiene Conference.

C.W. McNichols (Prof) received an \$8,000 grant from Zellweger Uster Corporation to support his research on management support systems for textile manufacturing.

E.A. Veral (PhD Stu) and R.L. LaForge (Prof) published "The Performance of a Simple Incremental Lot-Sizing Rule in a Multilevel Inventory Environment" in *Decision Sciences*, vol. 16, No. 1 (Winter 1985) 57-72.

## MATHEMATICAL SCIENCES

J.V. Brawley (Alumn Prof) gave a talk, "Computing in an Infinite Algebraic Extension of GF(q)" at the Southeastern International Conference on Combinatorics, Graph Theory and Computing at Florida Atlantic Univer-

sity in Boca Raton, Fla, Feb. 11-15.

P.M. Dearing (Assoc Prof) and R.A. Henderson (Prog Anlyst) published a paper, "Assigning Looms in a Textile Weaving Operation With Changeover Limitations" in *Production and Inventory Management*, (Third Quarter, 1984).

R.E. Fennell (Assoc Prof) presented a colloquium talk, "Control Problems --Theory and Application," to faculty and students at the University of North Carolina in Asheville, N.C., Feb. 7.

J.D. Fulton (Prof and Hd) has been appointed to a three-year term membership to the Committee for Mathematics Department Heads of the Joint Policy Board for Mathematics (JPBM). The committee, established in January, represents the American Mathematical Society, the Mathematical Association of America and the Society for Industrial and Applied Mathematics.

The following papers were presented at the 16th SE International Conference on Combinatorics, Graph Theory and Computing in Boca Raton, Fla, Feb. 11-15:

-- "Complete Coloring Parameters of Graphs" presented by W.R. Hare (Prof) and written with S.T. Hedetniemi (Prof, Comp Sci), R. Laskar (Prof), J. Pfaff (Bell Labs) and P. Erdos (Hungarian Academy of Sciences).

-- "Irredundance in Graphs: A Survey" by Prof. Hedetniemi, Prof. Laskar and Pfaff.

-- "Vertex and Edge Domination Parameters in Graphs" by Prof. Laskar and K. Peters (Grad Stu).

-- "On the Cut Frequency Vector of Permutation Graphs" by B. Piazza and S. Stueckle (Grad Stus).

-- "Algorithms for Generating All Minimal Cutsets in a Graph" by D.W. Whited (Grad Stu) written with D.R. Shier (Prof).

Prof. Laskar chaired a session at that conference.

Prof. Laskar, Prof. Hedetniemi and Pfaff published a paper, "Linear Algorithms for Independent Domination and Total Domination in Series --Parallel Graphs" in *Congressus Numerantium* Vol 45 (December, 1984) 71-82.

R.E. Jamison (Prof) and M.M. White (Grad Stu) published a paper, "Coronation Numbers and Circular Systems in Block Graphs" in *Congressus Numerantium*, Vol 44 (1984) 175-184.

J.W. Kenelly (Prof) participated in the following activities at the annual joint meeting of the Mathematical Association of America and the American Mathematical Society in Anaheim, Calif., in January:

-- co-chaired a meeting of the Mathematical Association of America/College Board committee on mutual concerns;

(Continued on page 10.)

## Nursing sponsors project to help teens communicate

The College of Nursing is sponsoring a series of community programs aimed at smoothing the transition from child to adult, and the response has been encouraging, says Becky Jo Clark, program coordinator.

The Family Life Forum focuses on improving communication between teenagers and parents or other adults, with separate programs for families and professionals or volunteers who work with youth groups.

Sponsored by a grant from the Jessie Smith Noyes Foundation, the forum has evolved in Anderson County into a true "community project," says Clark.

"We have a broad spectrum of involvement from the Anderson community," she says. "Educators, doctors, ministers, parents, 4-H, and Girl Scout leaders and many health and youth-oriented agencies have helped set the agenda. The program has been endorsed by the Anderson County Health Department and the Anderson County Medical Association."

The forum begins with day and evening sessions for professionals and volunteers who work with young

people. The sessions deal with such topics as teenage pregnancies, developing communication skills in teens and understanding the adolescent.

In April, the forum will add programs for parents and their children to attend together. Topics will focus on learning how to communicate, dealing with peer pressure and building self-esteem in teenagers. A Teen Health Fair at Anderson Mall will wrap up the forum on April 27.

"This type of forum is a first for Anderson and it's sorely needed," says Gerald Welch, family counselor and member of the volunteer planning committee. "When I talk to parents and teenagers separately in my office, I often feel as if I'm talking to people who don't know each other. They often have totally different views about things and have no idea how the other feels."

Communication skills are the building blocks for everything else the forum will seek to teach, Welch says. "If families would sit down together once a week at the dinner table and talk about their feelings, a lot of adolescent problems could be prevented."

(Continued from page 9.)

-- served as one of four panel members for a general presentation on "Calculus Instruction, Crucial but Ailing";

-- directed the item analysis discussion in the MAA's minicourse on "Placement Test Construction";

-- served as one of three panel members for a general session presentation on the College Board's education equality projects recommendations in mathematics.

Prof. Kenelly gave an invited presentation, "Achieving the Outcomes: Beyond the Green Book," at the College Board's Southwestern Regional Assembly in San Antonio, Texas, Feb. 14.

Prof. Kenelly was an invited participant in a working session to review the research results of South Carolina's Basic Skills Assessment Programs at the State Department of Education in Columbia, Feb. 15.

Prof. Kenelly served as an academic consultant at the Hilton Head Academic Olympics Feb. 16.

J.K. Luedeman (Prof) gave a colloquium, "Integer Sequences and Partially Ordered Sets" at the University of Louisville, Jan. 18, and while there conducted research with M. Jacobson (Assoc Prof) and F.R. McMorris (Prof and Hd).

W.H. Ruckle (Prof) presented a principal lecture, "The Global Theory of the Linearizing Projection and Its Applications" at the International Conference on Analysis and Its Applications in Kuwait, Feb. 18-21.

D.R. Shier (Prof) is serving on the Orchard-Hays Prize Committee, which selects the recipient of this triennial Award for Excellence in Computational Mathematical Programming. The award will be given at the XII International Symposium on Mathematical Programming in Boston, Mass., in August.

### MECHANICAL ENGINEERING

E.H. Bishop (Prof & Assoc Dean) has been awarded a two-year grant for \$131,285 from the National Science Foundation to conduct an "Experimental and Numerical Study of the Natural Convection of Gases Between Isothermal Concentric Cylinders: Variable Property Effects, Convection at Cryogenic Temperatures, and High Rayleigh Number Convection."

J.G. Goree (Prof) and L.R. Dharani (Univ of Mo) published a paper, "Analysis of a Unidirectional, Symmetric Buffer Strip Laminated with Damage," in *Engineering Fracture Mechanics*, Vol. 20, No. 5/6 (December, 1984) 801-811.

Prof. Goree has been awarded a renewal grant from NASA in the amount

of \$42,350 to continue his research of the "Fracture and Crack Growth in Orthotropic Laminates."

### NEWS SERVICES

A guide for program planners has received recommendation in *CASE Currents*, the magazine of the Council for the Advancement and Support of Education. The brochure, "Planning a Program? A Guide for Hosts of Speakers," gives tips on planning the logistics of scheduling guest speakers, from how to arrange publicity for a meeting to where to order refreshments and which room or auditorium will be most appropriate for the meeting.

### NURSING

B.C. Barham (Asst Prof) has achieved certification by the American Nurses Association as a clinical specialist in psychiatric/mental health adult nursing. Requirements for certification include appropriate graduate education, ongoing clinical practice, 100 hours of post-masters supervision, and evaluation of clinical expertise, as well as successful completion of a national examination.

### PARKS, RECREATION & TOURISM MANAGEMENT

R.L. Howell (Asst Prof) presented "The Use of Music in Festivals and Other Community Special Events" to the S.C. Festival Association Workshop, Feb. 7.

Prof. Howell moderated a panel on tourism attraction development at the Governor's Conference on Tourism and Travel, Feb. 9.

Prof. Howell presented "County Tourism Development and Sources of Assistance" to a Cooperative Extension Service workshop, Feb. 14.

B.J. Mihalik (Assoc Prof) received a grant for \$35,901 from the Washington Office of the National Park Service to develop an orientation program for resource managers and an Introduction to Microcomputers Workshop.

Prof. Mihalik, F.A. McGuire (Assoc Prof), and R.H. Becker (Prof) received a \$15,000 grant from the National Park Service for "The Microcomputer Lab Environment and Curricula Structure: Assessing the Effects."

### PHYSICS AND ASTRONOMY

A.L. Laskar (Prof) presented a colloquium on "Recent Developments in the Investigations on Ionic Transport in Solids" at the Oak Ridge National Laboratory, Dec. 19.

J.P. McKelvey (Prof) published an article, "Science and Technology: The

Driven and the Driver," in *MIT Technology Review*, (January, 1985).

J.R. Ray (Prof) presented a colloquium, "Computer Simulation Studies of Solids," to the physics and astronomy department at the University of Alabama, Feb. 20.

Prof. Ray published a paper, "N-Dimensional Nonlinear Systems With Exact Invariants," in the book, *Advances in Nonlinear Waves*, Vol 1 (Pittman Pub. Co, 1984) 230-233, ed., L. Debnath.

R.C. Turner (Prof) presented an invited talk on "EPR Analysis of Mangane in Russell Lake Water" at the USAE Symposium on Water Quality Studies at R.B. Russell and Clarks Hill Lakes in McCormick, Feb. 5.

### PLANT PATHOLOGY & PHYSIOLOGY

L.W. Baxter Jr. (Prof), S.G. Fagar (Ag Sci Assoc) and P.A. Mitchell (Ag Sci Assoc) published a paper, "Observation on an Unusual Occurrence of Camellias," in *The Camellia Journal* 40(1):4.

B.A. Fortnum (Asst Prof, Pee Dee Resch & Ed Ctr) and D.L. Karlen (So Sci, USDA ARS Cstl Plns Soil & Wt Cnsv Resrch Ctr, Florence) published a paper, "Effect of Tillage System and Irrigation on Population Densities of Plant Nematodes in Field Corn" in the *Journal of Nematology* 17(1):25-28.

J.P. Krausz (Assoc Prof), in cooperation with the R.J. Reynolds Tobacco Company and seven Extension specialists from four Southeastern states helped to publish a "Flue-Cured Tobacco Field Manual" as a diagnostic aid.

### POLITICAL SCIENCE

C.W. Dunn (Prof & Hd) spoke at roundtable on "Religion in American Politics" at the Georgia Political Science Association at the University of Georgia, Feb. 8.

M.A. Morris (Assoc Prof) gave three lectures on marine policy at the Wood Hole Oceanographic Institution, Jan. 11 and Feb. 5.

## DID YOU KNOW?

Clemson University and plant breeders with the U.S. Department of Agriculture have developed a new sweet potato variety called "HiDry." The potato, resistant to several destructive insects and diseases, was created for industrial use and can be fermented to produce alcohol or processed to use as livestock feed. The potato has a white skin and cream-colored flesh.

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## FINAL ENROLLMENT IN GRADUATE SCHOOL, SECOND SEMESTER 1984-85

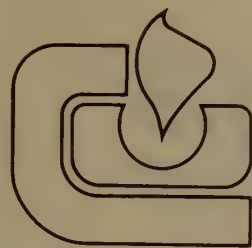
<u>MAJOR</u>	<u>NON- DEGREE</u>	<u>PROF MAST</u>	<u>MA/MS</u>	<u>EDS</u>	<u>EDD/ PHD</u>	<u>TOTAL</u>
<b>COLLEGE OF AGRICULTURAL SCIENCES</b>						
AGRICULTURE (UNDECLARED)	9	-	-	-	-	9
AGRICULTURAL ECONOMICS	-	6	6	-	-	12
AGRICULTURAL EDUCATION	-	19	-	-	-	19
AGRICULTURAL ENGINEERING	-	0	8	-	13	21
AGRICULTURAL MECHANIZATION	-	7	-	-	-	7
AGRONOMY	-	1	15	-	8	24
ANIMAL & FOOD INDUSTRIES	-	-	29	-	-	29
ANIMAL PHYSIOLOGY	-	-	-	-	5	5
APPLIED ECONOMICS	-	-	-	-	19	19
DAIRY SCIENCE	-	3	-	-	-	3
ENTOMOLOGY	-	1	8	-	16	25
HORTICULTURE	-	3	11	-	-	14
NUTRITION	-	3	8	-	8	19
PLANT PATHOLOGY	-	1	8	-	5	14
PLANT PHYSIOLOGY	-	-	-	-	11	11
WILDLIFE BIOLOGY	-	-	24	-	-	24
TOTAL AGRICULTURAL SCIENCES	9	44	117	-	85	255
<b>COLLEGE OF ARCHITECTURE</b>						
ARCHITECTURE	-	71	-	-	-	71
CITY & REGIONAL PLANNING	-	19	-	-	-	19
VISUAL STUDIES	-	12	-	-	-	12
TOTAL ARCHITECTURE	-	102	-	-	-	102
<b>COLLEGE OF EDUCATION</b>						
EDUCATION (UNDECLARED)	444	-	-	-	-	444
ADM & SUPERVISION	-	54	-	30	-	84
COUNSELING AND GUIDANCE SERV	-	117	-	-	-	117
ELEMENTARY EDUCATION	-	88	-	-	-	88
INDUSTRIAL EDUCATION	-	14	-	-	-	14
READING	-	23	-	-	-	23
SECONDARY EDUCATION (ENGLISH)	-	2	-	-	-	2
SECONDARY EDUCATION (HISTORY)	-	8	-	-	-	8
SECONDARY EDUCATION (MATH)	-	15	-	-	-	15
SECONDARY EDUCATION (NAT SCI)	-	5	-	-	-	5
SPECIAL EDUCATION	-	17	-	-	-	17
VOCATIONAL & TECHNICAL EDUC	-	-	-	-	25	25
TOTAL EDUCATION	444	343	-	30	25	842
<b>COLLEGE OF ENGINEERING</b>						
ENGINEERING (UNDECLARED)	11	-	-	-	-	11
BIO-ENGINEERING	-	-	16	-	2	18
CERAMIC ENGINEERING	-	1	10	-	-	11
CHEMICAL ENGINEERING	-	0	20	-	5	25
CIVIL ENGINEERING	-	14	21	-	17	52
COMPUTER ENGINEERING	-	-	30	-	-	30
ELECTRICAL ENGINEERING	-	3	45	-	15	63
ENGINEERING MECHANICS	-	-	2	-	3	5
ENVIR SYSTEMS ENGINEERING	-	12	28	-	6	46
INDUSTRIAL ENGINEERING	-	-	12	-	10	22
MECHANICAL ENGINEERING	-	5	52	-	10	67
TOTAL ENGINEERING	11	35	236	-	68	350

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## FINAL ENROLLMENT IN GRADUATE SCHOOL, SECOND SEMESTER 1984-85

<u>MAJOR</u>	<u>NON- DEGREE</u>	<u>PROF MAST</u>	<u>MA/MS</u>	<u>EDS</u>	<u>EDD/ PHD</u>	<u>TOTAL</u>
COLLEGE OF COMMERCE AND INDUSTRY						
COMMERCE & IND (UNDECLARED)	16	-	-	-	-	16
ACCOUNTING	-	14	-	-	-	14
BUSINESS ADMINISTRATION	-	158	-	-	-	158
ECONOMICS	-	-	14	-	-	14
INDUSTRIAL MANAGEMENT	-	-	39	-	33	72
MANAGEMENT SCIENCE	-	-	-	-	7	7
TEXTILE & POLYMER SCIENCE	-	-	-	-	6	6
TEXTILE CHEMISTRY	-	-	6	-	-	6
TEXTILE SCIENCE	-	-	9	-	-	9
TOTAL COMMERCE AND INDUSTRY	16	172	68	-	46	302
COLLEGE OF LIBERAL ARTS						
LIBERAL ARTS (UNDECLARED)	3	-	-	-	-	3
ENGLISH	-	-	29	-	-	29
HISTORY	-	-	10	-	-	10
TOTAL LIBERAL ARTS	3	-	39	-	-	42
COLLEGE OF NURSING						
NURSING (UNDECLARED)	6	-	-	-	-	6
FAMILY HEALTH NURSING	-	-	31	-	-	31
TOTAL NURSING	6	-	31	-	-	37
COLLEGE OF SCIENCES						
SCIENCES (UNDECLARED)	7	-	-	-	-	7
BIOCHEMISTRY	-	-	2	-	4	6
BOTANY	-	-	8	-	-	8
CHEMISTRY	-	-	18	-	26	44
COMPUTER SCIENCE	-	-	73	-	4	77
MATHEMATICAL SCIENCES	-	-	49	-	21	70
MICROBIOLOGY	-	-	14	-	12	26
PHYSICS	-	-	13	-	19	32
ZOOLOGY	-	-	16	-	34	50
TOTAL SCIENCES	7	-	193	-	120	320
COLLEGE OF FOR & REC RESOURCES						
FOR & REC RES (UNDECLARED)	3	-	-	-	-	3
FORESTRY	-	9	13	-	10	32
PARKS, RECREATION, AND TOURISM	-	19	9	-	-	28
TOTAL FOR & REC RESOURCES	3	28	22	-	10	63
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GRAND TOTAL	499	724	706	30	354	2313



# Events

MAR 27 1985

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

Mar. 29-April 5

**LECTURES**

March

-31

M	T	W	T	F	S
				1	2
4	5	6	7	8	9
11	12	13	14	15	16
18	19	20	21	22	23
25	26	27	28	29	30

- 1 R.C. Edwards Science and Technology Lecture: "Perspectives for the Chemotherapy of Infectious Disease and Cancer" by Seymour S. Cohen, American Cancer Society Professor of Pharmacological Sciences, School of Medicine, State University of New York. Sponsored by Calhoun College, Lyles Auditorium, Lee Hall, 8 p.m. Call 656-4762 for more information.
- 2 "Hitlerism and the Holocaust" by Helen Waterford, a survivor of the horrors of Auschwitz, and Alfons Heck, a former high-ranking leader of the Hitler Youth. Sponsored by Speakers Bureau, Tillman Hall Auditorium, 8 p.m. Free. Call 656-2195 for more information.
- 2 "Writer's Forum" with novelist and short story writer Lee Smith, an associate professor of English at N.C. State University. Sponsored by English department and S.C. Arts Commission, 108 Strode Tower, 8 p.m. Call 656-3446 for more information.

April

-30

M	T	W	T	F	S
1	2	3	4	5	6
8	9	10	11	12	13
15	16	17	18	19	20
22	23	24	25	26	27
29	30				

- 2 R.C. Edwards Science and Technology Lecture: "Joseph Priestley and Thomas Cooper in the Development of Early American Chemistry" by Seymour S. Cohen, American Cancer Society Professor of Pharmacological Sciences, School of Medicine, State University of New York. Sponsored by Calhoun College and chemistry department, Room 131 Brackett Hall, 4:30 p.m. Call 656-4762 for more information.
- 3 "Southern Music," a lecture/performance by Bill Malone, a professor of history at Tulane University. Sponsored by College of Liberal Arts, Lemon Lecture Series and Southern Studies, Lyles Auditorium, Lee Hall, 8 p.m., reception to follow in Lee Hall Gallery. Call 656-3153 for more information.
- 3 English Hour Lecture: Best Undergraduate Poetry and Fiction for 1984. Sponsored by English department, 108 Strode Tower, 3:30 p.m. Free. Call 656-3151 for more information.
- 3 R.C. Edwards Science and Technology Lecture: "Polyamine Metabolism in Plant Cells and Studies on the Chemical Control of Autumn" by Seymour S. Cohen, American Cancer Society Professor of Pharmacological Sciences, School of Medicine, State University of New York. Sponsored by Calhoun College and biological sciences and plant pathology and physiology departments. Room 201, Kinard Laboratory of Physics, 2:30 p.m. Call 656-4762 for more information.

**FILMS AND EXHIBITS**

- 29-30 Film: "Purple Rain." Sponsored by University Union, Y Theater, 7 and 9:15 p.m., \$1.50. Call 656-2461 for more information.
- 1-5 Exhibit: "Abstract Landscape Watercolors" by Carole Tinsley, Clemson-based artist. Sponsored by College of Liberal Arts, Thurmond Institute and Speakers Bureau, University Union Gallery. Free. Call 656-2461 for more information.



- 2 Film: "The Future That Was," No. 8 in "Shock of the New" film series. Sponsored by visual arts and history department, Lyles Auditorium, Lee Hall, 4:30 p.m. Free. Call 656-3081 for more information.
- 3 Film: "The Year of Living Dangerously." Sponsored by Five Directions Cinema, Y Theater, 7:30 p.m., \$2. Call 656-3069 for more information.

## OTHER EVENTS

- Through April 5 Nut Hut Easter Basket Special: jelly beans, chocolate eggs, chocolate rabbits and Cadbury eggs, \$4.50. Sponsored by University Union. Call 656-2461 to order or for more information.
- 29 Future Teachers Day -- Junior Scholars, campus visitation by promising high school juniors interested in education. Sponsored by College of Education, Tillman Hall, 9:30 a.m. Call 656-3482 for more information.
  - 31 Honors and Awards Day. Sponsored by Calhoun College. Call 656-4762 for more information.
  - 1 Last day to apply for National Direct Student Loans and College Work-Study Program. Call 656-2280 for more information.
- Continuous Meeting: "Linkup," an organization for users and potential users of computers. Meets first and third Fridays (except staff holidays) in the P&A Auditorium. Call 656-3102 or 656-2396 for more information.
- Continuous "Men's Fitness." Sponsored by YMCA, Monday, Wednesday, Friday, 12:10-12:50, YMCA Center. Call 654-2361 for more information.
- Continuous "Jazzercise." Sponsored by YMCA, YMCA Center, Monday and Wednesday, 5:30-6:30 p.m. and Thursday, 6-7 p.m. Call 654-2361 or 656-2460 for more information.
- Continuous "Pre-natal Exercise Class," for women in all stages of pregnancy. Sponsored by YMCA, YMCA Center, Mondays and Wednesdays, 6:30-7:30 p.m. Call 654-2361 for more information.
- Through April "Akido," a coed martial arts program of instruction and practice, taught by a certified Black Belt instructor. Sponsored by YMCA, YMCA Center, Monday and Wednesday, 8-10 p.m. Call 654-2361 or 656-2460 for more information.







# Newsletter

April 3, 1985  
Vol 24 No 28

APR 4 1985

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Founder's Week to include lecture and prayer service

Thanks to Tom Clemson, next week will be especially busy here, as the University celebrates its founder and founding.

Faculty and staff members and students will spend the first half of the week preparing for an address by a distinguished scientist, a prayer service in Pendleton, a meeting of the Alumni National Council, presentation of the Clemson Medallion, and an intrasquad football game.

Public events will include an address by Sam F. Hulbert, president of the Fise-Hulman Institute and this year's Winter Lecturer in Bioengineering. He will speak at 3 p.m. on Thursday, April 4 in Lee Hall's Lyles Auditorium.

The annual Founder's Day Prayer Service will be held at 5 p.m. on the 11th. As usual, the service will be in St. Paul's Episcopal Church in Pendleton, where the Thomas Green Clemson

family worshiped.

The Alumni National Council will meet on Friday, the 12th, and the Clemson Medallion, the University's highest public honor, will be presented at a dinner Friday night.

The focus will shift to football Saturday, the 13th, as the Orange and White teams tackle each other in the traditional, intrasquad, spring scrimmage in the Valley. The game will begin at noon.

## Staff group seeks inclusion in process to select president

The Commission on Classified Staff Affairs has asked to be included in the process for selecting the president of the University.

A letter to Board of Trustees Chairman James Waddell, sent following the Commission's March 12 meeting, states: "We believe that it is appropriate that our group be represented on the screening committee and the selection committee that the board of trustees will

set up to select the new president of Clemson University."

In support of the request, the letter cites the Commission's role on the President's Council, which advises the president on University-wide matters.

The letter states that since the Commission was formed in 1984 the group has been "an active, viable group at the university, representing over 2200 employees, 61 percent of the entire workforce at Clemson University."

In other business at its March meeting, the Commission approved a clarification of its functions and duties.

The clarification came as a result of what the Commission called "a misunderstanding concerning a petition" that chairwoman Jane Kidd received in early March.

The concern of the signers of the petition, which Kidd said was circulated among a "minority" of staff members, was that the Commission chairperson would be speaking on behalf of members of the staff at the March 7, special, faculty-staff meeting at which President Atchley talked about his resignation.

The misunderstanding arose, according to Commission members, from a tentative agenda for that meeting that had both the Faculty Senate president and the Staff Commission chairperson listed on the program to speak with the president and the provost. (A revised agenda, however, listed only the provost and the president.)

"In no way would the Commission try to speak for classified staff on such controversial issues," said Kidd.

Current plans provide for a representative of the Staff Commission to give a report of its activities at regularly scheduled faculty-staff meetings. The activities of Commission are limited to the functions and duties outlined in its charge. The functions and duties are:

-- "to study classified staff concerns, creating a forum for two-way communications of ideas and concerns that specifically relate to classified staff employees and the University mission;

-- "to consider specifically the development of job and supervisory skills, compensation, benefits, fair employment practices, and welfare of classified

(Continued on page 2.)

## Robinson addresses faculty and staff

*Editor's Note: The following letter is printed at the request of Bobby Robinson, who became athletic director last month.)*

To all faculty and staff:

Thank you very much for the opportunity to serve you as Director of Athletics at Clemson University. The job presents a tremendous challenge and you have pledged to work tirelessly to provide Clemson with the finest athletic program in the country.

Clemson has endured some adverse situations in the past four years, but the time has come to put all of this behind us and move ahead to the greatness that Clemson University deserves.

We want everyone to be assured that the primary mission of Clemson University is **academics**. We believe the athletic program to be a vital support organization to the total university and simply another department within the university organization.

Our philosophy is to provide our coaches and student athletes the finest facilities, equipment, schedules, etc. to give them every opportunity to succeed, while operating within the guidelines of the NCAA, ACC, and Clemson University.

We intend to be a positive and contributing department within the university structure. We will always be open to suggestions from all of you. We cannot guarantee that you will always agree with every decision we make, but we will always be honest, straightforward, and aboveboard in dealing with all segments of the university.

We look forward to serving all of you for the betterment of Clemson University.

With best wishes always, I am

Sincerely,

B. V. Robinson Director of Athletics

(Continued from page 2.)

staff employees, not to exclude other areas of concern that are brought to the Commission's attention;

-- "to formulate and recommend to the President's Council University-wide policies and procedures related to classified staff employees;

-- "to develop a systematic means for communicating to all classified staff employees existing University policy and specific actions and feedback concerning all matters considered by this commission."

The Commission invites members of classified staff to its meetings, which are held on the second Tuesday of each month at 10 a.m. in the Jordan Room, Jordan Hall.

## Research Center director to explain ERC's policies

Robert Taylor, acting director of the new Clemson Environmental Research Center, has called a meeting to explain the purposes of the center, its organizational structure and its operating policies.

The meeting, open to all members of faculty and staff, is scheduled for April 9 at 4 p.m. in Brackett Hall Auditorium.

## New Employees

The University welcomes the following employees who joined Clemson during the months of December, January and February.

### Agricultural Engineering

Hayes, John C., Associate Professor.

### Agricultural Sciences, Office of the Dean

Gamble, Annette, Clerical Specialist C.

### Aquaculture

Perry, Susan C., Administrative Specialist A.

### Computer Science

Wright, Terri V., Clerical Specialist C.

### Continuing Education Center

Campbell, Louie L., Clerical Specialist B.

### Custodial Services

McAlister, Martha S., Custodial Worker I.

### Dairy Science

Wadsworth, Luke A., Agricultural Aide II.

### Electrical and Computer Engineering

Jafari, Hossein, Visiting Assistant Professor.

### Equipment Room

Wade, Gary A., Weight Coach.

### Farms

Porter, Amelia G., Administrative Specialist B.

### Food Science

Whelchel, G. Annette, Agricultural Science Assistant I.

### Grounds

Mack, Tyrone, Laborer.

### Home Economics

Corriveau, Helena P., County Extension Agent Senior Associate.

Hudson, Mary D., Clerical Specialist C.

Wilson, Martha C., Assistant County Extension Agent.

### Library

Elrod, Roberta H., Administrative Specialist A.

### Livestock and Poultry Health

Sanyer, Jaime L., Veterinarian I.

### Security and Traffic Office

Gowan, James D., Public Safety Officer.

### S.C. Energy Research & Development Center

Grove, Flora L., Clerical Specialist C.

# Classified Information



## Answers to Questions from Classified Staff

**Q:** I have a friend who works at another state agency, and her holidays are totally different from Clemson's. Could you explain why?

**A:** State policy on holidays includes a provision that allows institutions of higher education to observe an alternate holiday pattern. The institution must grant the same number of holidays for the calendar year as other state agencies. Clemson has tried to schedule its holidays to closely follow the academic calendar.

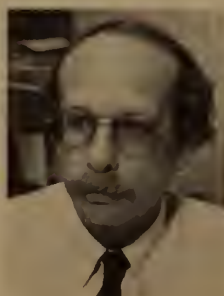
**Q:** Are annual and sick leaves transferable between districts and state government?

**A:** No. School district employees are not state employees. Leave earned according to school district regulations is not transferable into state services.

**Q:** What is the difference between reclassification and reallocation?

**A:** For reclassification there are functional changes in the duties of the job. For grade reallocation, however, the duties are essentially the same, and any adjustment is intended to adjust compensation rates to reflect the market. An upward reclassification or reallocation will result in a change of the employee's review date.

If you have a question related to University-wide issues of concern to classified employees, you are invited to send it to the Commission on Classified Staff Affairs, P.O. Box 2121, University Station.



The Clemson University Newsletter is published for Louderback, a professor of accountancy, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenney  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

## April 5-12

### CONFERENCES, MEETINGS AND LECTURES

April							
-30							
S	M	T	W	T	F	S	
	1	2	3	4	5	6	
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2	29	30					

- 10 Meeting: "Women in Politics." Sponsored by Women in Higher Education Network, Holiday Inn, noon. Call 656-2426 for more information.
- 11 "Founder's Day Lecture" by Sam F. Hulbert, president of the Rose-Hulman Institute. Sponsored by bioengineering department, Lyles Auditorium, Lee Hall, 3 p.m. Call 656-3051 for more information.
- 11 Luncheon discussion: "Opportunities and Challenges for Women in Natural Resources and Conservation" by Jackie Jacobs, executive director, S.C. Wildlife Federation. Sponsored by College of Liberal Arts, Thurmond Institute, and Speakers Bureau, Room 108 Strode Tower, noon. Bring lunch, drinks provided. Call 656-2451 for more information.
- 12-13 Conference: "Third National Post-Masters Nursing Conference on Research and Theory in Nursing." Sponsored by Continuing Nursing Education, Clemson House. Call 656-3078 for more information.

### EXHIBITS

- Through April 8 "Ireland Regnier Recent Paintings." Sponsored by College of Architecture, Lee Hall Gallery. Call 656-3081 for more information.
- Through April 8 "Southern Landscape Photographers" featuring the work of 15 Southern photographers including Sam Wang, a professor of art here. Call 656-3081 for more information.
- 9-22 "Pioneering Women Architects From Finland." Sponsored by College of Architecture, Lee Hall Gallery. Call 656-3081 for more information.

### FILMS

- 4-6 "The Terminator." Sponsored by University Union, 7 & 9:15 p.m. \$1.50. Call 656-2461 for more information.
- 7 "The Towering Inferno." Sponsored by University Union, 7 p.m. Free. Call 656-2461 for more information.
- 8 "The Enforcer." Sponsored by University Union, 8 p.m. \$1. Call 656-2461 for more information.

### OTHER EVENTS

- 8 Speech Night. Public speaking contest for students enrolled in English 301. Sponsored by Clemson Forensic Union, Daniel Hall Auditorium, 7 p.m. Free. Open to public. Call 656-3168 for more information.
- 8-13 Founder's Week.
- 9 Clemson University Chorus and Choral Ensembles. Sponsored by music department, Tillman Hall Auditorium, 8 p.m. Free. Call 656-3043 for more information.

# Events

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- 10 Founder's Day Reception, Alumni Center, 6 p.m. Sponsored by University Club. Call 656-2345 for more information.
- 10 Film: German Club film. Sponsored by Five Directions Cinema, Y Theater, 7:30 p.m., \$2. Call 656-3069 for more information.
- 9&10 Short Course: First Aid. Sponsored by University Union, 6-10 p.m. Call 656-2461 for more information.
- 11 Founder's Day Prayer Service. Sponsored by Student Alumni Council, St. Paul's Episcopal Church, Pendleton, 5 p.m. Call 656-2345 for more information.
- 12-13 Football: Orange and White intrasquad game. Call 656-2101 for more information.
- April sign-up "Beginning Shag Classes." Sponsored by YMCA. Call 654-2361 for more information.
- Continuous Meeting: "Linkup," an organization for users and potential users of computers. Meets first and third Fridays (except staff holidays) in the P&A Auditorium. Call 656-3102 or 656-2396 for more information.
- Continuous "Men's Fitness." Sponsored by YMCA, Monday, Wednesday, Friday, 12:10-12:50, YMCA Center. Call 654-2361 for more information.
- Continuous "Jazzercise." Sponsored by YMCA, YMCA Center, Monday and Wednesday, 5:30-6:30 p.m. and Thursday, 6-7 p.m. Call 654-2361 or 656-2460 for more information.
- Continuous "Pre-natal Exercise Class," for women in all stages of pregnancy. Sponsored by YMCA, YMCA Center, Mondays and Wednesdays, 6:30-7:30 p.m. Call 654-2361 for more information.
- Continuous "Women's Exercise Class" for improving aerobic fitness and muscular flexibility, strength and endurance. Sponsored by YMCA, YMCA Center, Monday, Wednesday, Friday, 9-10 a.m. (babysitting available) and 10:15-11:15 a.m.; Tuesday and Thursday, 4:45-5:45 p.m. and 6:30-7:30 p.m. Call 654-2361 for more information.
- Through April "Akido," a coed martial arts program of instruction and practice, taught by a certified Black Belt instructor. Sponsored by YMCA, YMCA Center, Monday and Wednesday, 8-10 p.m. Call 654-2361 or 656-2460 for more information.

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APR 10 1985

# Newsletter

April 10, 1985  
Vol 24 No 29

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## 's 2 for 2 for CU engineers

Research on paving and construction materials that crosses the boundary between basic and applied science, with a bit of economics thrown in, has helped earn civil engineering Prof. Jim Burati a Presidential Young Investigator Award from the National Science Foundation.

The prestigious award carries an annual grant of \$25,000, renewable for five years, to support the recipient's research.

The Foundation also will match additional grants from industry up to \$500 a year, which brings the total

potential award to \$500,000 over the five-year period.

The two-year-old Presidential Young Investigator Awards program was established to keep the nation's most promising young scientists and engineers on campuses.

The College of Engineering here has turned out award winners in both years. (Chemical engineer Jim Haile received the award last year.)

Only 200 researchers in all engineering and basic science disciplines were chosen from among more than 1,000 nominees to receive this year's awards. All agree to remain in academics for at least five years.

Burati's research seeks to solve immediate problems with the nation's infrastructure and expand basic knowledge about construction materials.

He is principal investigator on a major \$200,000 research contract for the Federal Aviation Administration, and co-investigator on a \$176,000 project for the S.C. Department of Highways and Public Transportation.

"The FAA contract involves the issue of quality control in airport paving projects," Burati says. "We're trying to develop a procedure for determining the proper payment for pavements that fall below specification requirements."

It's common practice to try to live with improperly laid pavements, Burati says, because the alternative of tearing up runways or roads to be repaved is impractical. Instead, payment for the project is usually reduced.

"That way, the money saved can be set aside for future overlays or repair of the pavement," he says.

The state highway department is hoping Burati and colleague Herb Busching can help solve a problem known as asphalt stripping, or the tendency for asphalt cement to separate from the aggregate in the pavements. Often caused by poor water drainage, stripping causes the lower layer of pavement to lose its load-carrying capacity and wear out more quickly.

"Even if you overlay the pavement with new asphalt, the basic problem is still there," Burati says. The three-phase research project is attempting to



Civil engineer Jim Burati examines asphalt samples. His research on construction materials helped earn him one of the National Science Foundation's Presidential Young Investigator Awards.

identify areas where stripping is more likely and come up with preventive measures.

Burati came here in 1980 after four years at Pennsylvania State University. At Clemson, he has been involved in sponsored research contracts totalling more than half a million dollars.

He received his bachelor's degree from Virginia Tech, his master's from Ohio State and doctorate from Penn State.

In 1984, he was named Outstanding Teacher by the local chapter of Chi Epsilon civil engineering honor society.

## History department fills its first endowed position

Carol Bleser, a professor at Colgate University, has been awarded the Lemon Professorship of History, the history department's first endowed professorship.

The professorship was established by Calhoun and Kathryn Lemon of Barnwell to foster history teaching and

(Continued on page 2.)



## 1,000 welcomes

The University Visitors Center received its 10,000th visitor March 18: Holly A. Holmbeck, a high school senior from West Chester, Pa., who is to enroll in the College of Engineering here next fall. A bouquet of balloons and a greeting from the Tiger helped Holmbeck celebrate her lucky number. The center opened in 103 Man Hall last summer.



Bleser

(Continued from page 1.)  
research here.

In announcing the award, history department head John Wunder said, "Dr. Bleser is an excellent choice because she's particularly interested in South Carolina history, an area that the College of Liberal Arts, through its Southern Studies Program, and the Lemons are especially interested in."

Bleser earned her doctorate in history from Columbia University. She is a nationally recognized scholar of Southern history and is the author of "The Promised Land: The History of the South Carolina Land Commission 1869-1890" and "The Hammonds of Redcliffe."

Most recently she has concentrated her research on Southern marriages and the Perry family of Greenville. She is a member of the policy committee of the National Historical Publications and Records and is a Woodrow Wilson Fellow.

Bleser will join the history department here this fall.

## C&I students win business contest

Should the E.T. Telephone Company acquire monopoly rights to sell its communications equipment to Latin American countries?

That was one of the many decisions facing a group of students here who participated in the Emory University Intercollegiate Business Game, which in March culminated in competition at Emory University in Atlanta, Ga.

The game, says accountancy Prof. Joe Louderback, consisted of 10 quarters of simulated business decisions that players had to make for a fictitious telephone manufacturing company. The decisions ranged from marketing strategies to borrowing and financing to research and development within the company.

"The object of the game," says Louderback, "was to have the highest earnings and the highest stock price."

After analyzing their business decisions, the players had to present their

conclusions to a panel of judges that included Emory faculty and graduate students, as well as leaders from the Atlanta business community.

Out of six teams representing universities throughout the country, the Clemson team came out tops in two categories: best overall performance and best case presentation in their industry.

"The judges indicated to me that the [the students] had done well," says Louderback, who served as an advisor for the group.

Students representing Clemson in the game at Emory were Steven Bacon and Eric Kaplan, senior financial management majors; Kathy McNulty and Lind Roosa, senior accounting majors; and Karen Price, junior accounting major.



Outstanding women -- Left to right: Flora Walker, Peggy Sieburth, Beverly Bookmyer, Allison Smith

## Four women receive awards

Faculty member Beverly Bookmyer, staff member Flora Walker, graduate student Peggy Sieburth, and undergraduate Allison Smith were honored last month with Outstanding Woman Awards presented by the Women's History Week Committee.

Each was selected for her service to the University and the community.

Bookmyer, a professor of physics and astronomy, is an accomplished teacher and researcher with 42 publications to her credit since 1969.

She is a member of the Women's Auxiliary of Anderson Memorial Hospital, where she is an active volunteer. She gives free lectures for senior-citizens groups and recently completed a training program to teach reading to illiterates.

Walker, a secretary in the history department, has worked here 10 years and is active in service activities both on and off campus.

On campus, she helps organize Black

History Month events each year, is a volunteer counselor to foreign students works with the Gospel Choir, and serves on the Commission on Classified Staff Affairs.

Off campus, she visits shut-ins and cancer patients, gives lectures to tenants in public housing developments and raises funds for the March of Dimes and for the fight against cerebral palsy.

Sieburth, a doctoral candidate in entomology, has already published six articles, presented 15 papers and won two research awards in her field. She is also active in departmental affairs, having served as president of the Entomology Club and as a member of the department's Linnaean Games.

Smith, a senior in civil engineering with a 4.0 GPR, has published two articles in professional publications and was one of only 15 students in the nation selected last year for the Washington Internship in Engineering Program.



The Clemson University Newsletter is published for Renee Keese, an agricultural science associate I, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



APR 10 1985



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

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## April 13-19

### CONFERENCES, SEMINARS AND WORKSHOPS

April  
-30

M	T	W	T	F	S
1	2	3	4	5	6
8	9	10	11	12	13
15	16	17	18	19	20
22	23	24	25	26	27
29	30				

- 14-26 Workshop: "Textile Leadership for Tomorrow--Strategies for Survival." Sponsored by Professional Development, Sirrine Hall. Call 656-2200 for more information.
- 15 Video Conference: "CAD/CAM: Impacts and Implications." Sponsored by Continuing Engineering Education, Room 101 Riggs Hall, 2-4:30 p.m. Call 656-3308 for more information.
- 15 Seminar: "Horses, Burros and Helicopters." Sponsored by Department of Animal Science, Newman Hall Auditorium, 7:30 p.m. Call 656-3425 for more information.
- 15-16 S.C. Nuclear Environment Conference. Sponsored by Clemson Environmental Research Center, Daniel Hall. Contact Bob Taylor at 656-2328 for more information.

### MUSIC, DRAMA AND FILM

- 15 Film: "Magnum Force." Sponsored by University Union, Y-Theater, 8 p.m. Cost is \$1. Call 656-2461 for more information.
- 16-20 Clemson Players' Production. Daniel Hall Annex, 8 p.m. (3:30 p.m. matinee April 25). Tickets \$2 for public, \$1 for Clemson faculty and staff, free to University students. Call 656-2476 for more information.
- 17 Clemson University Symphonic Band Spring Concert. Sponsored by music department, Tillman Hall Auditorium, 8 p.m. Open to public. Free. Call 656-3043 for more information.
- 17 French Play by Students: "La France de Maitre Pierre Pathelin." Sponsored by languages department, Daniel Hall Auditorium, 8 p.m. Free.
- 18-20 Film: "Tightrope." Sponsored by University Union, Y-Theater, 7 & 9:15 p.m., \$1.50. Call 656-2461 for more information.

### OTHER EVENTS

- 13 Graduate Record Exam. Sponsored by Counseling and Career Planning Center, 8 a.m.-5 p.m. Call 656-2451 for more information.
- 15 Baseball: Youth (5th & 6th graders) and boys (7th & 8th graders) baseball programs begin. Sponsored by Clemson YMCA. Call 656-2361 for more information.
- 15-19 Taps distributed in the Union Gallery.
- 15-May 9 Exhibit: "MFA Thesis Exhibit." Sponsored by College of Architecture, Lee Hall Gallery. Call 656-3081 for more information.
- 16 Short Course: "Color Analysis #3." Sponsored by University Union, 7 p.m. Sign up at Information Desk or call 656-2461 for more information.
- 17 Banquet: For all members of Phi Kappa Phi, Clemson Room in Clemson House. Call 656-6890 for more information.
- 19 Lecture: "Pre-Cretaceous Rocks from Beneath the Southeastern Coastal Plain." Sponsored by chemistry and geology department, 235 Brackett Hall, 4:30 p.m. Call 656-3438 for more information.

Clemson Child Development Center. Crew is an industrial education major. He has been involved in the Stu-

Conference Athletic Scholarship Award for the highest GPR for a female and a male athlete, respectively.

make a final decision by Oct. 1. The screening committee's first meeting was April 12.



Coker

(Continued from page 1.)

Co., Pacolet Industries, and the Textile Paper Tube Co. of Romiley, England.

He helped organize the S.C. Farm Bureau, was its first president, and is a lifetime member of its board.

He was vice president of the National Cotton Council from 1939 until 1945, then became its president, and in 1964 became its board chairman.

He was a member of President Dwight Eisenhower's National Agricultural Advisory Committee, the Department of Agriculture's Research Policy Committee, the Agricultural Mobilization Policy Board, and the 1954 Agricultural Trade Mission to Latin America.

Coker is also well known for his fight against the boll weevil, a bane of the cotton farmer.

He helped establish a boll weevil eradication laboratory at Mississippi State University and has been a major force behind the industry-wide movement to eliminate the destructive pest.

Coker once said his most fervent ambition is to be a pall bearer at the funeral of the last boll weevil.

Coker became a Clemson Life Trustee in 1960 and is a member of the University's Founders Society. He holds an honorary doctorate from the University and is honorary president of the Agronomy Club.

#### James Self

When James Self was born in 1919 in Greenwood, his father was already head of Greenwood Cotton Mill, a post the young Self was destined to assume 35 years later.

Self was educated in Greenwood schools before going to The Citadel in 1938 to earn a degree in business administration.

After college, he returned to Greenwood to live and to Greenwood Cotton Mill to work.

He was the mill's assistant treasurer during World War II.

During the war, the mill produced for the nation's armed forces more than 100 million yards of a special, wind-and-water-resistant, poplin cloth without one yard being rejected. As a

result, the mill's employees received the Army-Navy "E" (for excellence) Award for their outstanding service to the country.

After the war, the company grew, modernized, built new plants, and was reorganized to become Greenwood Mills, of which Self succeeded his father as president in 1955.

The success of the family's business ventures has been accompanied by the growth and increasing activity of the Self Foundation, a private, grant-making foundation that has financed hundreds of projects related to health care, education, youth, and the elderly.

Projects that have received Self Foundation support include the building of the 179-bed Self Memorial Hospital in Greenwood, the establishment of the James Cuthbert Self Chair in Business Administration at Furman University, and the development of the Strom Thurmond Institute here.

Within the textile industry, Self has developed a reputation for boldness and innovation.

In the '60s and '70s, for example, when the demand for bright, scintillating colors was challenging textile producers, Self worked with the College of Engineering here to develop a computer-assisted, color-scanning process called EYEBALL that has set the technological pace in the industry.



Self

He has served the Textile Manufacturers' Association, the American Textile Manufacturers' Institute, and the New York, Memphis and New Orleans cotton exchanges.



The Clemson University Newsletter is published for civil engineer Robert Nowack, this year's non-student recipient of the Algernon Sydney Sullivan Award, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
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The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

He was the Greenwood Rotary Club's "Man of the Year" in 1964, is a director of the Greenwood Chamber of Commerce, and is credited with almost single-handedly attracting to the Greenwood area industries that include Monsanto and Parke-Davis.

Self, a Clemson Life Trustee since 1960 and a member of the Founders Society, is a trustee of the Duke Endowment and holds honorary doctorates from The Citadel, Erskine College and Lander College.

#### Medallion recipients

This marks the fifth year the University has presented The Clemson Medallion, with Coker and Self becoming the 10th and 11th recipients.

The distinguished group of Medallion recipients includes William Wright Bryan (1984), Wofford Benjamin Camp (1982), Walter Thompson Cox (1984), Robert Cook Edwards (1983), Frank James Howard (1982), Thomas Mitchell Hunter (1981), Frank Johnstone Jervy (1981), James Wilson Newman (1983), and James Strom Thurmond (1981).

## Music to fill Tillman twice next week

Two concerts scheduled for Tillman Hall Auditorium next week promise to fill the historic hall with music ranging from "Stars and Stripes Forever" to "I've Got a Crush on You."

Both concerts are free and open to the public. To get more information on either, call 656-3043 or 656-3380.

#### A first

The Clemson University Community Band will present its first concert ever this Sunday, April 21, at 3:30 p.m. in Tillman.

The concert will feature a wide variety of typical band literature, including works of such composers as John Philip Sousa, E.E. Bagley and Clair Grundman.

Featured selections will include Sousa's "Stars and Stripes Forever," Jacques Offenback's "Ballet Parisien," Grundman's "Fantasy On American

Sailing Songs," "Selections From 'Cats,'" the "National Emblem March," F.W. Meacham's "American Patrol," and Ralph Vaughn William's "Folk Song Suite."

The band is under the direction of Bruce Cook and Richard Goodstein of the music department.

**final**

The Clemson University Jazz Ensemble will present its final concert of the year next Wednesday, April 24, at 8 p.m. in Tillman.

The performance will feature numerous styles -- with special emphasis on the big-band, swing tunes of the 1940s.

Selections will include George Gershwin's "I've Got a Crush on You," Tommy Dorsey's "Song of India," Count Basie's "Satin Doll," Glen Miller's "Little Brown Jug," Sarah Vaughn's "Tenderly," Buddy Rich's "Mercy, Mercy, Mercy," Spyro Gyra's "Morning Dance," and Count Basie's "Tall Cotton."

The jazz ensemble is directed by Richard Goodstein of the music department.

**Wellness program features discount for faculty, staff**

The College of Nursing is offering a special discount of 20 percent (\$30) to all University employees enrolling in the second southeastern regional wellness symposium May 24-26 at the Outdoor Lab.

The discount drops the regular \$150 fee to \$120 for employees.

In addition, says Dee Evers of the nursing continuing education office, the first 100 people to enroll will receive an additional 20-percent discount, reducing the fee to \$90.

She emphasizes that the second discount will be awarded on a first-come, first-served basis.

For more information or to enroll for the wellness weekend, call 656-3078 or write or drop by the continuing education office in 309 of the Nursing Building.

**Next week special for secretaries**

Next week will be a special one for secretaries in offices throughout the University and across the country.

April 21-27 will be Professional Secretaries Week and next Wednesday, April 24, will be Professional Secretaries Day.

The local observance will include a

seminar for a limited number of participants on "Today's Total Secretary."

The seminar, co-sponsored by the local chapter of Professional Secretaries International and Tri-County TEC, will be next Tuesday at the Clemson Holiday Inn.

Lynn McClain, a staff assistant in the plant pest regulatory services office here and president of the local PSI chapter, says taking part in Professional Secretaries Week helps draw attention to the "distinctive difference between a secretary and a professional secretary."

"A professional secretary," says McClain, "looks upon her job as a career. She is strong on initiative and is aware of her employer's needs in the office."

"She goes about her job as a team member and is willing to make decisions and be responsible for them."

Eight of the 11 charter members of the local PSI chapter, which was installed in December 1984 to serve the Clemson-Easley area, are University employees.

Chapter officers, in addition to McClain, include recording secretary Linda Brady, a secretary in the finance office; corresponding secretary Linda Cartee, a staff assistant in the athletic department; and treasurer Janice Rogers, a staff assistant in home economics.

The group meets on the first Tuesday of each month. For more information, call McClain at 654-2768 after 5 p.m.

**Word processor available in surplus**

The property control division reports that it has an IBM word processing system with an inkjet printer and a Cheshire labeling machine (Model VII) available for purchase by a University department.

Both pieces of equipment are in excellent condition, say the property control folks.

If you're interested, call 656-4794 for more information.

**Vegetable researcher joins Pee Dee staff**

A research scientist has joined the Pee Dee Research and Education Center to study the potential of high-value vegetable crops in the area.

Dennis Decoteau will specialize in studies of how to profitably farm such vegetables as melons, tomatoes, cucumbers, squash, leafy greens, carrots and cole crops, which include cabbage and broccoli.

"Dennis will be conducting research through test plantings at the Pee Dee center to help determine what vegetables can be produced profitably by our farmers for sale in the commercial markets in this region as well as in the

(Continued on page 4.)



**First-place honors**

The University's chapter of the National Block and Bridle Club was awarded two first-place trophies last month at the 1985 Block and Bridle Convention in Houston, Texas. Clemson's students placed first among 73 groups from across the nation in the chapter-activities and scrapbook competitions. In the photo here, scrapbook editor Kim Miller, left, and chapter president Steve Meadows display their awards.



**Decoteau**

(Continued from page 3.)

Northeast," says John Pitner, director of the center.

Decoteau will bridge a gap in developing an efficient cropping system that would allow traditional row-crop plantings of soybeans, corn, tobacco and cotton to be followed or mingled with commercial vegetables.

His studies will include checks of seed varieties for best planting times in various soils, pest resistance, and best yield.

A native of Nashua, N.H., Decoteau has degrees from the University of Maine and the University of Massachusetts. He last worked at Purdue University in Indiana, where he studied the effects of air pollution on vegetable crops.



**Martin**

## Florence gets new assistant agent

Joseph A. "Jody" Martin, Jr., has been named an assistant agent on the Extension Service staff for Florence County.

Martin, a native of the Hebron community in Clarendon County, will specialize in aiding farmers with problems in growing soybeans, corn, wheat, and tobacco.

He will also direct the county's 4-H Club program, emphasizing participation by youngsters in row crop farming and swine production.

"Jody brings a lot of skill to our staff," commented A.J. Kinder, chairman of the Florence Extension office.

"He comes from a farm family. He

understands the problems farmers have on a day-to-day basis.

"Jody's energy and expertise will be invaluable."

Martin graduated from here in 1984 with a bachelor's degree in agronomy.

## Texas Instruments aids computer lab

A new microcomputer laboratory, made possible through a challenge grant from Texas Instruments, was unveiled at an April 2 open house in Martin Hall.

The laboratory features 20 units with 256K bits of memory and color moni-

tors with graphics capabilities, representing an investment close to \$130,000.

Under the challenge grant from Texas Instruments, the University Contributions Committee at Clemson and the corporation will share the cost of the facility.

The lab is staffed by Computer Center personnel with special training from Texas Instruments.

"This lab will probably offer more features than any of our other facilities, such as color monitors and fast mathematical operations," says Richard Nelson, director of academic computing here.

The new lab is part of the Computer Center's remote station on the ground floor of Martin.

## Grant committee announces research award recipients

The University Research Grant Committee has announced the recipients of 26, \$2,000 Provost Research Awards for 1985-86.

The recipients and their research project titles are:

- Mehdi Ahmadian in mechanical engineering, "Seating, Positioning, and Pressure Management of Severely Handicapped."

- Thomas R. Alley in psychology, "Family Relations in Families with a Facially Disfigured Child."

- Robert T. Barrett in management, "A Comparative Analysis of Microcomputer-Based Simulation Languages."

- W. Jeffrey Burroughs in psychology, "Mood and Memory for Scripts: Applications to Child Abuse."

- William F. Connelly Jr. in political science, "Money and Politics in the U.S. Congress: A Qualitative Analysis."

- Sydney A. Cross in visual arts, "Research in Handmade Paper."

- Earl J. Hayter in civil engineering, "Laboratory Investigation of Beach and Dune Erosion During Extreme Storm Events."

- William H. Hendrix in management, "Health Promotion and Wellness Programs: Factors Related to Effectiveness."

- Robert E. Jamison in mathematical sciences, "Use of Perspectives in the Stained Glass at Konigsfelden."

- James P. Jarvis in mathematical sciences, "Using Interactive Graphics in Solving Network Problems on Microcomputers."

- Miguel Folkmar Larsen in physics and astronomy, "Investigation of the Effect of Lightning on Precipitation."

- Rebecca A. Marcon in psychology, "Psychophysiological Components of Spontaneous Bleeds in Juvenile Hemophilia."

- Harlan E. McClure in architectural

studies, "A Study of Medieval Passive Energy Conservation in Ligurian Hill Towns."

- John P. McKelvey in physics and astronomy, "Gravitational Collapse of Condensed Matter."

- Edwin W. Moise in history, "Documents of the Vietnam War (1970-72)."

- Clark Nardinelli in economic history, "Child Labor and the Industrial Revolution in Britain."

- Roy A. Pargas in computer science, "Computer-Aided Speech Education for the Deaf."

- Fred R. Sias Jr. in electrical and computer engineering, "A Prototype Mobile Robot."

- David S. Snipes in chemistry and geology, "A Geophysical Study of Proposed Waste Disposal Site: A Potential Threat to Stream and Ground Water Supplies."

- Stan R. Spurlin in chemistry and geology, "A New Scheme for the Analysis of Dopamines."

- John R. Sweeney in aquaculture, fisheries and wildlife, "Home Range and Habitat Use of the Eastern Bluebird."

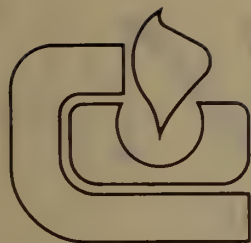
- Robert J. Taylor in biological sciences, "Pursuit and Evasion."

- Andreas F. von Recum in bioengineering, "Improvement of Vascular Graft Biocompatibility."

- Stephen H. Wainscott in political science, "Protest to Passivity: Local Response to School Desegregation."

- Patricia W. Wannamaker in languages, "Bringing Together the Technical and Humanistic Elements of Clemson Education."

- J. David Woodard in political science, "The Consequences of Busin Ten Years of Court-Ordered Desegregation in Urban Schools."



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

APR 17 1985

**April 19-26**

**CONFERENCES, SEMINARS AND LECTURES**

April

-30

S	M	T	W	T	F	S
1	2	3	4	5	6	
8	9	10	11	12	13	
15	16	17	18	19	20	
22	23	24	25	26	27	
29	30					

- 19 Lecture: "Pre-Cretaceous Rocks from beneath the Southeastern Coastal Plain." Sponsored by chemistry and geology department. 4:30 p.m., 235 Brackett Hall. Call 656-3438 for more information.
- 19 LINKUP meeting. Call 656-2396 for more information.
- 22-26 Seminars: Clemson's IBM PC Training seminars. Sponsored by Professional Development and Continuing Engineering Education. Call 656-2200 for more information.
- 23-25 Conference: "Fundamentals of Personal Computers for Managers." Sponsored by Professional Development. Call 656-2200 for more information.
- 24-25 Meeting: Board of Visitors. Call 656-2061 for more information.
- 26 Lecture by James Beggs, NASA administrator. Sponsored by Strom Thurmond Institute. 3 p.m., Daniel Hall Auditorium. Call 656-4700 for more information.

**MUSIC AND FILM**

- 21 Free Flick: "If You Could See What I Hear." Sponsored by University Union. 7 & 9:15 p.m., Y Theater. Free with University I.D., \$1 for public. Call 656-2461 for more information.
- 24 Clemson University Jazz Ensemble Spring Concert. Sponsored by music department. 8 p.m., Tillman Hall Auditorium. Open to public. Free. Call 656-3043 for more information.
- 25 Applied Music Students Recital. Sponsored by the music department. 7:30 p.m., Daniel Hall Auditorium. Open to the public. Free. Call 656-3043 for more information.
- 25-27 Film: "Bachelor Party." Sponsored by University Union. 7 & 9:15 p.m., Y Theater. \$1.50. Call 656-2461 for more information.

**OTHER EVENTS**

- 20 Engineer-in-Training Examination. Open to all seniors in an ABET-accredited engineering curriculum who plan to graduate in May, August, or December of 1985. Sponsored by College of Engineering. 7:30 a.m.-5 p.m., 226 Riggs Hall. Call 656-3201 for more information.
- 20 Dental Admission Test. Sponsored by Counseling and Career Planning Center. 8 a.m.-3 p.m. Call 656-2451 for more information.
- 24 Edgar's Dessert Theater: All you can eat sundaes. Sponsored by University Union. 8 p.m. Cost is \$2.50 for advance tickets and \$3 at the door. Call 656-2461 for more information.





# Newsletter

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April 24, 1985  
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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Endowment honoring retirees to emphasize good teaching

When it dawned on mechanical engineering department head Chris Przirembel that two of his best teachers, who have a combined tenure of 77 years, would be retiring this summer, his first reaction was to cry.

After he had recovered enough to wish Alumni Prof. Douglas Bradbury and Assoc. Prof. William Hudson well in their retirement, Przirembel started wondering how in the world to replace them.

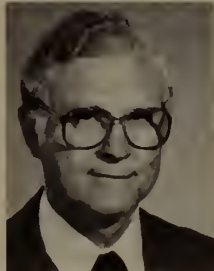
The big push for young faculty members these days is toward research and publication, and most university incentive programs are geared toward helping them developing those skills," Przirembel says. "There is usually no formal effort to help them make the transition from a doctoral program, which is research-oriented, to teaching." A unique endowment being established by the department and the Clemson University Foundation aims to place an equal emphasis on developing classroom skills. Przirembel says he plans to contact alumni who have benefitted from their association with the two professors.

A fund-raising campaign is underway to support two, two-year, endowed assistant professorships for young faculty members. During summers between the two years, paid release time would be provided to let faculty members concentrate on the courses they're teaching.

They can work on developing a set of notes, travel to visit with outstanding professors in the field, go to national teaching meetings, or anything else that might improve their classroom performance," Przirembel says. "The endowment would also provide additional funds for audio-visual aids or other teaching materials."

Przirembel hopes this kind of assistance will help the department identify and encourage people who have the potential to be another Hudson or Bradbury.

These two men exemplify what university teaching is all about," he says. "Professor Bradbury is an Alumni Professor and is one of those people that



Hudson



Bradbury

other professors pattern themselves after.

"Some of his special techniques for getting to know his students, such as having them fill out surveys on the first day of class to find out what kind of books they read and what kind of music they like and so on, have been borrowed by many other faculty members.

"And Hudson has received the University's Master Teacher Award and was just recently named Engineering Educator of the Year by the Piedmont chapter of the Society of Professional Engineers."



McKelvey

## Prof joins board of national journal

Physics Prof. John P. McKelvey has been named to the national editorial board of the American Journal of Physics, one of the most widely read scientific journals in the United States.

The journal, published by the American Institute of Physics in New York, is devoted to general physics and physics education.

McKelvey was elected to the national

editorial board by the executive board of the American Association of Physics Teachers on the recommendation of the journal's editor in chief, John S. Rigden.

While serving the three-year term, McKelvey will review articles and advise editors on matters of editorial policy and matters that arise from publicity conflicts.

McKelvey received his bachelor's and master's degrees in physics from Pennsylvania State University and his doctorate in physics from the University of Pittsburgh.

## English prof receives two national awards

Assoc. English Prof. Dixie Goswami has won two national awards for her works in the field of writing.

She received an award for "Best Article on Formal Research in Technical or Scientific Communication" from the National Council of Teachers of English and was honored by the Modern Language Association for her book, "The Web of Meaning: Essays on Writing, Teaching, Thinking and Learning."

Goswami co-authored the article "Studying Writing in Non-Academic Settings" with Lee Odell of Rensselaer Polytechnic Institute, Anne Herrington of Johnson State College and Doris Quick of New York High School.

The article appeared in "New Essays in Technical and Scientific Communication: Research, Theory, Practice."

The language association award recognizes an outstanding research publication in the field of teaching English and literature.

In addition to teaching here, Goswami coordinates the Graduate Program in Writing at the prestigious Bread Loaf School of English at Middlebury College in Vermont.

She was chief academic consultant on "Writers Writing," a series of films about writing that is airing on educational television stations across the country in this month.

Goswami graduated from Presbyterian College and earned a master's from Clemson. She has done post-graduate work at Rutgers University and Leeds University in England.

# DEPARTMENTAL NOTES

Announcements of professional accomplishments of faculty and staff members appear in the last Newsletter of each month.

## ADMINISTRATIVE PROGRAMMING SERVICES

A.B. Sprouse (Senior Systems Analyst) published an article, "Quality Assurance in Data Processing," in *Cause/Effect*, Nov., 1984, and in *EDP Auditor Journal*, Vol. V, 1984.

## AGRICULTURAL ECONOMICS & RURAL SOCIOLOGY

The following faculty members participated in the annual meetings of the Southern Agricultural Economics Association at Biloxi, Miss., Feb. 4-6:

--G.M. Clary (Asst Prof) presented a paper, "Economics of Purchasing a Herd Sire."

--E.H. Kaiser (Asst Prof), J.W. Hubbard (Prof) and R.D. Seale (Former Grad Res Asst) presented a paper, "A Case Study of the Effectiveness of Subsidies and Taxes in Controlling Soil Erosion and Stream Pollution."

--S.E. Miller (Assoc Prof) chaired a session.

--J.L. Novak (Asst Prof, Texas A&M Univ), L.L. Bauer (Prof), and M.D. Hammig (Assoc Prof) presented a paper, "Incorporating Multiple Decision Criteria in an Assessment of Optimal South Carolina Irrigated/Non-Irrigated Row Crop Farm Plans: A Goal Programming Approach."

--G.J. Wells (Assoc Prof) chaired a selected-papers session on "Demand and Price Analysis" and moderated an organized-symposium session on "Economic Evaluation of Alternative Enterprises for Southeastern Agriculture."

Prof. Clary published an article, "Economics of Purchasing a Herd Sire," in the *Southern Journal of Agricultural Economics*, 16-2 (1984): 31-36.

B.H. Robinson (Prof & Hd) participated in a meeting of the Cost of Production Review Board, of which he is a member, held in Washington, D.C., Jan. 21-23.

Prof. Robinson participated in a Marketing Extension Workshop in Washington, D.C., Feb. 12-15.

Prof. Robinson participated in a tour of Mississippi State University's Aquaculture Research Facility Feb. 28-March 1.

L.A. Stanton (Assoc Prof) served as the agricultural economics representative on the nominating committee to select the general chairman and vice chairman of the 32nd Tobacco Workers Conference and as representative to the editorial board of *Tobacco Science* at the 31st Tobacco Workers Confer-

ence in Pinehurst, N.C., Jan. 7-10.

## AQUACULTURE, FISHERIES & WILDLIFE

Presentations by members of the department at the joint meeting of the South Carolina and Georgia fisheries workers associations Feb. 6-8 in Savannah, Ga., included:

--"Stock Identification of Whelks" by B.A. Anderson (Grad Asst).

--"Arks" by A.G. Eversole (Prof).

--"Toxicity of Percolate from Soils" by D.A. Graves (Grad Asst) and J.W. Foltz (Assoc Prof).

--"An Overview of Clemson University and S.C. Wildlife and Marine Resources Department Cooperative Extension Program" by T.E. Schwedler (Asst Prof).

Also at that meeting, Prof. Foltz became president of the S.C. association.

Prof. Foltz was appointed fisheries associate editor for the "Proceedings of the Annual Conference of Southeastern Association of Fish and Wildlife Agencies."

Prof. Foltz, T.A. Wilson (Grad Asst) and W.G. Geddings (S.C. Wildlife and Marine Resources Dept) presented "Production of Phytoplanktivorous Silver Carp in a Eutrophic Dairy Farm Impoundment" at the 38th annual conference of the Southeastern Association of Fish and Wildlife Agencies.

## BIOLOGY PROGRAM

C.K. Wagner (Assoc Prof) will serve as co-investigator for "Courseware Development and Computer Workshops for High School Biology Teachers."

R.J. Kosinski (Asst Prof) has been awarded a three-and-one-half year grant totalling \$184,000 from the National Science Foundation.

## BIOLOGICAL SCIENCES

K.D. Getsinger (Former Grad Stu) and C.R. Dillon (Prof) published "Quiescence, Growth and Senescence of

*Egeria Densa* in Lake Marion" in *Aquatic Botany* 20:329-338.

D.W. Kraus (Grad Asst) and J.M. Colacino (Assoc Prof) published "The Oxygen Consumption Rates of Three Gastrotrichs" in *Comparative Biochemistry and Physiology* 79A:691-699.

G.L. Powell (Prof) presented "Cardiolipin: Structure and Function in Biological Membranes" to the biochemistry department of Emory University Jan. 18.

R.J. Taylor (Assoc Prof) presented two seminars at the Ecology Center of Utah State University: "The Peninsula Effect on Species Diversity" Feb. 2 and "Pursuit and Evasion as a Differential Game" Feb. 21.

## CALHOUN COLLEGE, THE HONORS PROGRAM

J.L. Stevenson (Dir of Hon Pgrm Prof of PRTM) led a workshop on "Personal and Professional Growth" at the National Recreation and Park Association Southern Regional Forum for Innovative Programming at Rock Eagle, Ga., Feb. 21. He was also the closing speaker at the forum's general session Feb. 22; he spoke on "Be All You Can Be!"

## CHEMICAL ENGINEERING

D.D. Edie (Prof) and C.H. Goodin (Assoc Prof) published "Prediction of Pressure Drop for the Flow of Polymer Melts through Sintered Metal Filters" in *Industrial and Engineering Chemistry Process Design and Development* 24 (8), 8-12 (1985).

## CHEMISTRY AND GEOLOGY

D.D. DesMarteau (Prof & Hd) presented an invited lecture, "Xenon-Nitrogen Compounds. A Search for New Xenon-Element Bonds," at the University of North Carolina at Greensboro Feb. 22.

K. Dill (Assoc Prof), M.E. Dama (Grad Stu), A.A. Pavia (Prof, Centre Universitaire d'Avignon, France), E. Decoster (Grad Stu, CUA) and J.M. Lacombe (Res Assoc, CUA) published a paper, "Stereochemistry of Gd<sup>3+</sup> and Mn<sup>2+</sup> Interactions with D-Gluconamid



The Clemson University Newsletter is published for Associate English Prof. Dixie Goswami, who recently won two national writing awards, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barre  
Production Assistant \_\_\_\_\_ Carla Reeve

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



derivatives by  $^{13}\text{C}$ -NMR Spectroscopy," *Inorganica Chimica Acta* (Bioinorganic Section) 106 (1985) 203-208.  
J.D. Petersen (Assoc Prof & Assoc Lect) presented a seminar on "Novel Complexes for Visible-Light Photoproduction of Hydrogen" at North Dakota State University Feb. 28 and at the University of North Dakota March

## CIVIL ENGINEERING

R.H. Brown (Prof & Hd) was one of the National Science Foundation-supported delegates to the Seventh International Brick Masonry Conference held Feb. 17-20 in Melbourne, Australia. At the conference, he presented a paper, "Performance of Retrofit Embedments in Brick Masonry," co-authored by G.A. Alrymple (Grad Stu). The paper was also printed in the *Proceedings of the Conference*.

## COMPUTER SCIENCE

The following papers were presented at the 16th Southeastern Conference on Combinatorics, Graph Theory and Computing at Boca Raton, Fla., Feb. 14-15:

--"Bounds for the Domination Number of Grid Graphs" by T.V. Wimer (Lect), E.O. Hare (Lect), S.T. Hedetniemi (Prof) and E.J. Cockayne (Univ of Victoria).

--"Complete Coloring Parameters of Graphs" by W.R. Hare (Math Sci), Prof. Hedetniemi, R.C. Laskar (Math Sci) and J. Pfaff (Former Grad Stu).

--"Irredundance in Graphs: A Survey" by Prof. Laskar, Prof. Hedetniemi, and J. Pfaff.

--"The Certificate: A Canonical Data Structure for Trees" by E.O. Hare and Prof. Hedetniemi.

## ECONOMICS

N.K. Womer (Prof), J. Camm (Former Grad Stu) and T. Gullledge (Former Grad Stu) had a paper, "Improvement Curves, Production Rate and Optimal Contractor Behavior," selected as best paper at the southeast regional meeting of the American Institute for Decision Sciences in New Orleans, La., Feb. 28.

T.B. Yandle (Alum Prof) has published three articles:

--"Environmental Control and Regional Growth" in *Growth and Change*, Vol. 15, No. 3, July 1984, 39-42.

--"FTC Activity and Presidential Efforts" in *Presidential Studies Quarterly*, Vol. 15, No. 1, Winter 1985, 128-135.

--"The Wages of Regulation" in *Journal of Labor Research*, Vol. 5, No. 4, Fall 1984, 435-438.

Prof. Yandle also participated March 8 in a conference on industrial policy at SUNY-Buffalo's School of Law; led

a seminar March 11 on quality regulation in developing countries at the World Bank in Washington, D.C.; and delivered invited lectures March 12 on the history and forms of government regulation at the Federal Executive Seminar Center in Kingspoint, N.Y.

## ENGLISH

J.L. Idol (Prof) organized and chaired a session on Thomas Wolfe's *Of Time and the River* and served as head of a panel of judges to select the winner of the Lawrence D. Joiner prize at a meeting of the Philological Association of the Carolinas at Wake Forest University March 12-14.

G.W. Koon (Prof & Hd) was elected president of the S.C. Association of Departments of English at the spring meeting at the University of South Carolina.

R. Rollin (Lemon Prof) gave an invited lecture on "Popular Culture, Unpopular Culture, and Semi-Popular Culture" at the Milliken Scholars' Honors Seminar at Converse College March 18.

F.W. Shilstone (Assoc Prof) read "Byron's Zuleika and Blake's Thel: Regressive Innocence in *The Bride of Abydos*" at the Philological Association of the Carolinas meeting in Winston-Salem, N.C., March 14-16.

## ENVIRONMENTAL SYSTEMS ENGINEERING

R.D. Watt (Former Grad Stu, Purdue), E.J. Kirsch (Prof, Purdue), and C.P.L. Grady Jr. (R.A. Bowen Prof) published "Characteristics of Activated Sludge Effluents Before and After Ozonation" in *Journal, Water Pollution Control Federation*, 57, 157-166.

## FINANCE

L.C. Brady (Adm Spec) is a member of the 1984-85 steering committee for the local chapter of the Women in Higher Education Network (WHEN), which promotes the advancement of women in higher education administration.

Brady also chairs the Education and Certified Professional Secretaries Committee and sits on the board of directors of the local Professional Secretaries International chapter, of which she is a charter member. She recently attended a PSI workshop, "Leadership Skills," in Columbia.

Brady also serves as secretary for the 1984-85 Parents' Advisory Council of the Clemson Child Development Center.

## HISTORY

E.D. Carney (Asst Prof) has published "Fact and Fiction in 'Queen Eleanor's Confession,'" in *Folklore* 98 (1984), 167-70.

J.V. Reel (Prof & Vice Provost) published "Hold Up a Mirror" in *Clues: The Journal of Detection Studies*, Spring 1985.

J.R. Wunder (Prof & Hd) reviewed Grodon M. Bakken's *The Development of Law on the Rocky Mountain Frontier: Civil Law and Society, 1850-1912* in *Journal of American History* 71 (1985): 883-884.

Prof. Wunder gave a talk, "Indian Values vs. Non-Indian Values," at the annual meeting of the North Carolina Indian Unity Conference in Fayetteville, N.C., March 15.

## HORTICULTURE

M.L. Robbins (Res Dir, Sweet Potato Res Sta, Chase, La.) developed the okra "Blondy," which was named as an All American Selection, while he was a professor of horticulture at the Coastal Experiment Station in Charleston.



Reid



Jamison

## HOUSING

Robert Reid and Roger Jamison, both of Clemson, received the Housing Office's "Custodian of the Month" award for February. Recipients are selected for their attentiveness to duty, attitude and quality of work. Reid has worked here since 1974. Jamison joined the University in 1983.

The University Housing Office in February hosted the 1985 conference at Hilton Head of the Southeastern Association of Housing Officers, of which A.R. Boettner is immediate past president. Other staff members attending from here were E. Singleton, R. Wicker, C. Shockley, G. Campbell, G. Gaulin, G. Padgett, M. Watkins, C. Cooley, P. Metler, B. Zettle, B. Silverstein, B. O'Rourke, and M. Ackerman. N.M. Lomax (Asst VP, Stu Affs) and C.O. Caskey (Assoc Prof, Eng) were guest speakers.

## LANGUAGES

R.R. McGregor (Prof, French) presented a paper, "Camus' Caligula: 'Un Suicide Supérieur Manqué,'" at the Southeast Conference on Foreign Languages and Literatures meeting at Rollins College in Winter Park, Fla., Feb. 28-March 2.

## LIBRARY

D.A. Fiste (Hd Cataloging Unit) pub-

(Continued on page 4.)

(Continued from page 3.)

lished "Collection Access Policy" in *ERIC Clearinghouse on Information Resources*, 1984, 246:908.

Fiste was elected to the Middle Management Discussion Group Long Range Planning Committee and to the Junior Members Round Table Orientation Committee during the midwinter meeting of the American Library Association. He will help those committees plan programs for the ALA's 1986 conference in New York, N.Y.

M. Harris (Hd Publ Doc) published "Nuclear Power Information from Federal Documents: Selected DOE and NRC Publications for General Library Collections" in *The Southeastern Librarian*, 34/4, Winter 1984, p. 104-107.

## MANAGEMENT

J.K. Butler Jr. (Assoc Prof) published an article, "GRUPCOMP: A Computer Program for Operationalizing Indices of Group Composition," in *Applied Psychological Measurement*.

Prof. Butler presented "Effects of Contextual Factors on Bargaining Decisions of Experiential Group Representatives" at the 12th annual conference of the Association for Business Simulation and Experiential Learning in Orlando, Fla., March 1. The paper is in the refereed *Proceedings*.

W.H. Hendrix (Assoc Prof) had a paper, "Constraining Forces, Performance and Absenteeism Among Finance Company Cashiers" (co-authored with R.P. Steel, Air Force Institute of Technology and A.J. Mento, Loyola College), and a symposium, "Psychological Measurements and Biochemical Indicators of Stress Effects on Job Related Health -- A Unique Perspective" (conducted with D.P. Moore, The Citadel and R.G. Traxler, Univ of Texas Health Science Center), accepted for presentation at the 1985 National Academy of Management meeting in Aug.

R.L. LaForge (Prof), D.R. Wood and R.G. Sleeth (both of Va Commonwealth Univ) published "An Application of the Survey-Feedback Method in a Service Operation" in the *Journal of Operations Management*, Vol. 5, no. 1, pp. 103-118.

M.J. Stahl (Prof & Hd), D.W. Grigsby (Assoc Prof) and A. Gulati (Grad Stu) published "Comparing the Job Choice Exercise and the Multiple Choice Version of the Miner Sentence Completion Scale" in the *Journal of Applied Psychology*, pp. 228-232, Feb.

Prof. Stahl also presented an invited paper, "Relevant Curriculum Development and Delivery: Ask and You Shall Receive," at the Southeast American Institute for Decision Sciences meeting in New Orleans, La., Feb. 27.

## MATHEMATICAL SCIENCES

J.V. Brawley (Alumni Prof) presented the lecture "The Gambler's Ruin" to the Mu Alpha Theta Club of Wade Hampton High School in Greenville March 12.

W.R. Hare (Prof), R.C. Laskar (Prof), and K. Peters (Grad Stu) published "Max-Min Parameters and Disconnected Colorings" in *Congressum Numerantium*, Vol. 44 (Dec.;1984), pp. 139-150.

J.W. Kennely (Prof) published, with co-authors P. Henry (Weber State) and C.O. Jones (Educational Testing Service), the chapter "The Advanced Placement Program in Calculus" in *The Secondary School Mathematics Curriculum* by the National Council of Teachers of Mathematics.

## PARKS, RECREATION, AND TOURISM MANAGEMENT

R.L. Howell (Asst Prof) presented "Hosting Yankees and Other Foreigners" at the Clemson Hospitality & Tourism Invitational March 24.

Prof. Howell published "Heritage World Expo Preliminary Feasibility Report" in the *Heritage World Expo Authority*, Columbia, March 1.

B.J. Mihalik (Assoc Prof) published "Sponsored Recreation" in *Publication Relations Journal*, June 1984, pp. 22-25.

Prof. Mihalik presented "Word Processing on the IBM PC" at the National Recreation and Park Association Congress in Orlando, Fla., last October.

Prof. Mihalik presented "Potential Uses of the Personal Computer" at the S.C. Recreation and Park Society Conference in Myrtle Beach last November.

Prof Mihalik presented "Presentation Graphics and Small Business" at the Resource and Commercial Recreation Association Conference in Phoenix, Ariz. in January.

## PLANT PATHOLOGY & PHYSIOLOGY

B.A. Fortnum (Assoc Prof) and A. Manwiller (Prof Emeritus, Agronomy) published "Effects of Irrigation and Kernel Injury on Aflatoxin B<sub>1</sub> Production in Selected Maize Hybrids" in *Plant Disease* 69(3); 262-265.

## POLITICAL SCIENCE

M.A. Morris (Assoc Prof) presented a paper, "EEZ Policy in South America's Southern Cone," at the International Studies Association meeting in Washington, D.C., March 5-9.

## PROFESSIONAL DEVELOPMENT

L.H. McCormic (Asst In-House Coord) participated in a workshop, "Developing and Marketing Successful Seminars and Conferences," in New York, N.Y., March 4-5.

## PSYCHOLOGY

T.R. Alley (Asst Prof) presented "Developmental and Ethological Perspectives on Facial Cuteness and Attractiveness" to University of Georgia's psychology department Nov. 2, 1984.

D.L. Hall (Univ of Conn) and Prof. Alley presented "Adults' Responses to the Physical Appearance of Children with Growth Disorders" at the 21st annual meeting of the New England Psychological Association in Framingham, Mass., Oct. 20, 1984.

The following presentations were made at the biennial meeting of the Society for Research in Child Development in Toronto, Canada, April 25-28:

--"Leaving Home: What it Really Means to Adolescents" by D.D. Moore (Asst Prof).

--"Relationships Among Error Detection Measures: Implications for Assessing Children's Comprehensive Monitoring" by Prof. Moore and K.M. Zabrocky (Vstg Asst Prof).

--"Reading and Rereading Inconsistent Texts: Comprehension Strategies for Good and Poor Readers" by Prof. Zabrocky and H.H. Ratner (Wayne State Univ).

D.J. Senn (Assoc Prof) conducted a workshop on effective communications for a Human Resources Management Seminar sponsored by the American Press Institute in Reston, Va., March 14.

The following presentations were made at the annual meeting of the Southeastern Psychological Association in Atlanta, Ga, March 27-30:

--"Individual Differences in Children's Monitoring of Understanding" by C.C. Beresh and Prof. Zabrocky.

--"Reading Teachers' Attributions of Children's Reading Proficiency" by M.M. Hooper, Prof. Moore, and Prof. Zabrocky.

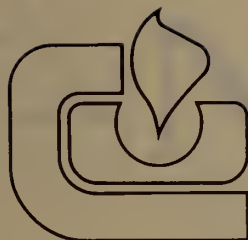
--"Sex Differences in the Correlates of Friendship Patterns" by Prof. Moore and N.R. Shultz Jr. (Assoc Prof).

--"The Relationship of Gender, Dating History, and Assessment Device to Self-reported Loneliness" by Prof. Schultz and Prof. Moore.

## PUBLICATIONS AND GRAPHICS

D.G. Dunning (Acting Dir) presented "The Politics of Publications--Dealing with Difficult Clients" at the 1985 district III conference of the Council for Advancement and Support of Education in Williamsburg, Va., Feb. 17-20.

J.A. McKenzie (Intrnl Commun Ed) moderated a session, "Town Meeting--Open Forum for Questions and Answers," in a joint meeting of the Periodicals and Publications Tracks during the 1985 district III conference for Advancement and Support of Education in Williamsburg, Va., Feb. 17-20.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

APR 24 1985

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

## April 27-May 3

### FILMS AND MUSIC

<p>April</p> <p>-30</p> <p>M T W T F S</p> <p>1 2 3 4 5 6</p> <p>7 8 9 10 11 12 13</p> <p>14 15 16 17 18 19 20</p> <p>21 22 23 24 25 26 27</p> <p>28 29 30</p>	<p>25-27 Film: "Bachelor Party." Sponsored by University Union. 7 &amp; 9:15 p.m., Y Theater. \$1.50. Call 656-2461 for more information.</p> <p>28 Greenville Civic Ballet. Sponsored by Clemson Area Arts Council. 4 p.m., Tillman Hall Auditorium. \$1 for students and senior citizens, \$2.50 for all others.</p> <p>28 Free Flick: "Chitty Chitty Bang Bang." Sponsored by University Union. 8 p.m., Y Theater. Free with University I.D., \$1 for public. Call 656-2461 for more information.</p> <p>28 Music Recital featuring Steve Hubbard. Sponsored by music department. 3 p.m., Daniel Hall Auditorium. Reception follows in 108 Strode Tower. Call 656-3043 for more information.</p> <p>30 Film: "The Graduate." Sponsored by University Union. 7 &amp; 9:15 p.m., Edgar's. Free. Call 656-2461 for more information.</p>
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<p>May</p> <p>-31</p> <p>M T W T F S</p> <p>1 2 3 4</p> <p>5 6 7 8 9 10 11</p> <p>12 13 14 15 16 17 18</p> <p>19 20 21 22 23 24 25</p> <p>26 27 28 29 30 31</p>	<h3>OTHER EVENTS</h3> <p>1 Reading Day.</p> <p>2-4 Examinations.</p> <p>Continuous Meeting: "Linkup," an organization for users and potential users of computers. Meets first and third Fridays (except staff holidays) in the P&amp;A Auditorium. Call 656-3102 or 656-2396 for more information.</p> <p>Continuous "Men's Fitness." Sponsored by YMCA. Monday, Wednesday, Friday, 12:10-12:50 p.m., YMCA Center. Call 654-2361 for more information.</p> <p>Continuous "Jazzercise." Sponsored by YMCA. Monday and Wednesday, 5:30-6:30 p.m. and Thursday, 6-7 p.m., YMCA Center. Call 654-2361 or 656-2460 for more information.</p> <p>Continuous "Pre-natal Exercise Class" for women in all stages of pregnancy. Sponsored by YMCA. Mondays and Wednesdays, 6:30-7:30 p.m., YMCA Center. Call 654-2361 for more information.</p> <p>Through April "Akido," a coed martial arts program of instruction and practice, taught by a certified Black Belt instructor. Sponsored by YMCA. Monday and Wednesday, 8-10 p.m., YMCA Center. Call 654-2361 or 656-2460 for more information.</p>
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# EVERETT

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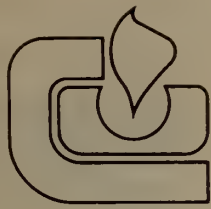
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# Newsletter

Vol 24 No 32  
May 1, 1985

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

MAY 2 1985

## Board of Trustees approves vice provost/vice president

The Board of Trustees April 12 approved creating the position of "Vice Provost and Vice President for Agriculture and Natural Resources."

The move was recommended by the Board's Educational Policy Committee as a way to enhance the image and visibility of agriculture and the Co-operative Extension Service in South Carolina.

The addition will add about \$125,000 in budgeted expenses, Provost David Maxwell told the Board.

"That sounds like a lot until you consider the size of agriculture and forestry both as industries in the state and as academic, research and public service programs," Maxwell said. "You're talking about administering a \$47 million budget and 1,300 employees."

The new position, which Maxwell does not expect to be filled until sometime next fall, will be part of an administrative reorganization affecting the top levels of the colleges of agricultural sciences and forest and recreation resources.

The deans of those two colleges will report to the new vice provost and vice president, as will the directors of the Extension Service and the S.C. Agricultural Experiment Station, whose titles will become "dean."

Also, the directors of the Division of Regulatory and Public Service Programs and the Livestock-Poultry Health Division will report to the vice provost and vice president.

On matters relating primarily to academic areas -- such as instructional programs and faculty appointment, tenure and promotion -- the new administrator, as a vice provost, will report to the provost.

On matters relating primarily to public service activities and on other issues that must be dealt with in a statewide context, the new administrator, as a vice president, will report to the president.

The reorganization plan is the result of a review, requested by the Board last August, of the strong and weak points of the University's administrative

structure for agricultural and public service programs and of organizational structures at other land-grant schools.

The findings of the study, which was conducted over several months by Provost Maxwell and Trustee Billy Amick, are summarized in a written report Maxwell submitted to the Board through the Educational Policy Committee.

"The conclusion appears inescapable," states the report, "that while Clemson's organizational structure in the area of agriculture is a very good one its

strength is primarily internal. From an internal point of view it is, in fact, an excellent organizational structure.

"The problem, however, is that there is too much for a single top administrator to do." Because of that, according to the report, the present structure "is not as effective externally as is desirable."

Hiring a vice provost and vice president for agriculture and natural resources will provide the additional administrative support and external visibility needed in those areas, while preserving the internal advantages of the present structure, the report concludes.

(Continued on page 2.)



### Checking the risks

Twice in April senior nursing students here conducted health-screening sessions for employees at National Cash Register's plant in Liberty. The sessions included checking each employee's blood pressure and risk of heart disease (using the American Heart Association's "Risko" heart-disease-risk analysis questionnaire). In the photo here, nursing student Lorri Bennett checks the blood pressure of NCR employee Turea Connell.

News on Tiger Fitness Day, another community service of the College of Nursing is on page 4.

(Continued from page 1.)

#### In other business, the Board:

- heard a report and five-year plan from College of Engineering Dean Charles Jennett on the status of engineering education here. The dean highlighted the college's critical needs in equipment and physical space.

"We have a situation where most of our equipment is older than the students using it," Jennett said. "And we have our two largest departments, mechanical engineering and electrical and computer engineering -- which separately would be the second and third largest colleges at Clemson if they were broken out that way -- housed in old, very cramped buildings."

An ad hoc committee will consider the report and recommend appropriate action at the next Board meeting.

- approved a bid for \$218,475 from H.W. Detwiler Co. and Wise Construction Co. to construct a multipurpose building at Camp Bob Cooper, an Extension Service camp for 4-H and youth development activities located on Lake Marion in Clarendon County.

- approved changing the names of the five branch stations of the Experiment Station to reflect the Extension and teaching activities also conducted at the facilities. The stations, located at Blackville, Charleston, Florence, Columbia, and Pendleton, will now be called "Research and Education Centers."

- approved two resolutions to permit the University to restructure outstanding football stadium bonds if market conditions are favorable. Melvin Barnette, vice president for business and finance, explained that refinancing bonds, even at a higher interest rate, could reduce the annual debt costs by spreading out payments and avoiding "balloon payments" built into the old bonds.

- heard a report about the first meeting (held earlier April 12) of the screening committee charged with sifting through applications for University president. (The procedural guidelines adopted at that meeting by the committee are printed elsewhere in this issue.)

"We stress that the screening process will be conducted in strict confidence," said Trustee Thomas McTeer, screening committee chairman. "Committee members shall make no public statements. If it is the consensus of the committee that such a statement is appropriate, it will be issued by the chairman."

McTeer said all applications will be kept in Sikes Hall and all reviewing by committee members will be done there.

- received an update from Walter Cox, vice president for student affairs, on new duties planned for former athletic director Bill McLellan.

"What I have recommended to President Atchley is that [McLellan] will report directly to my office and take responsibility for certain physical facilities, marketing and developing of those facilities, within the student affairs area," Cox said. "He will have no responsibilities in the athletic department."

Cox cited the proposed development of a recreation-and-service center for students housed on East Campus as a project McLellan will likely be asked to handle.

- approved certain revisions to regulations governing seed certification in South Carolina.

- approved a lease between the University and the S.C. Foundation Seed Association allowing the association to build and operate its headquarters on University land along Cherry Road.

- approved for the record certain actions of the State Crop Pest Commission and the Fertilizer Board of Control, both of which are autonomous subsets of the Board of Trustees.

- heard reports from the presidents of the Alumni Association, IPTAY, University Foundation, student body, Faculty Senate, and University.

- set Saturday, June 29, as the date for the next regular Board meeting, during which an interim president for the University will be named. The meeting will begin at 10 a.m. and will be held here.

## Trustees unanimous in club-level giving

It's unanimous.

One-hundred-percent participation by the Board of Trustees has set a challenging pace for the University's new club-level giving programs.

Trustee memberships in the Founders Society, Clemson Fellows and Presidents Club account for nearly \$2 million in gifts and pledges, according to the development office.

Of the 10 charter members of the Founders Society, which recognizes contributions of \$100,000 or more, six are Trustees.

Life Trustee Buck Mickel of Greenville chairs the group, which also includes one Trustee Emeritus.

Membership in the The Clemson Fellows, chaired by 1963 alumnus L. "Bill" Hendrix of Spartanburg, is accorded to persons who give or commit to give \$50,000 or more.

The Presidents Club, chaired by 1951 alumnus Tom Lynch of Clemson, recognizes gifts or commitments of \$10,000 or more.

One Trustee is a member of The Clemson Fellows, and six are members of the Presidents Club.

"The response to the club-level giving programs is a source of great pride for the club members and for the University," says Don Elam, vice president for institutional advancement.

"New funds raised to date from this program total more than a million dollars." (The "new funds" distinction refers to the fact that in some cases club memberships are based on retroactive gifts.)

An executive committee chaired by 1958 alumnus Currie Spivey of Greenville oversees the club-level giving programs.

## Architectural library receives donation

Thanks to Mrs. George W. Taylor Hendersonville, N.C., the architectural library will be adding a terminal to its computer system.

Mrs. Taylor, sister of Emery A. Gunnin for whom the library was named, donated \$500 after a visit to the University.

Gunnin, a Clemson alumnus who died in 1971, graduated in 1950 with degree in architecture. A registered engineer and a professor here from 1951 until his death, Gunnin served as assistant to Harlan McClure, former dean of the College of Architecture.

After Gunnin's death, the faculty of the college requested that the library be named for him.



The Clemson University Newsletter is published for Dorot Williams, the Housing Office's "Custodian of the Month" for April, and for all the members of the University faculty and staff by the Department of Publications and Graphic Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barr  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

## Employees' deadline for tickets nears

The faculty/staff-priority deadline for ordering football tickets for the 1985 season is Friday, May 10.

Application forms have been distributed to each department. If you haven't received one, check with your department head or call the Athletic Ticket Office at 656-2118.

The May 10 deadline also applies to full-time graduate students who will be in school during the fall semester.

The Tigers will play six games in Death Valley in the fall: Georgia, Sept. 21; Georgia Tech, Sept. 28; Virginia, Oct. 12 (Homecoming); N.C. State, Oct. 26; Wake Forest, Nov. 2; and Maryland, Nov. 16.

The regular season-ticket price for six games is \$84. The faculty/staff price is \$50.

## Commission studies parking matters

Discussion of traditional campus parking problems was the main item of business at the April meeting of the Commission on Classified Staff Affairs.

Welfare Committee chairman Marty Koldyke reported April 9 that the committee had -- in response to comments and suggestions from several employees -- looked into the parking situation.

A key conclusion of the committee, he said, is that the activities and recommendations of the University Traffic and Parking Committee, the Planning Board and the Commission on Physical Facilities should be more widely publicized to increase employee awareness of what has been considered and is being done to improve parking on campus.

Those three groups, he said, have primary responsibility for parking matters.

After discussing parking-related issues for several minutes, the staff commission voted to delay further consideration of the Welfare Committee's report until May to allow the committee time to prepare recommendations incorporating major points of the discussion.

In another report from the Welfare Committee, Pat Durham said she had met with a Faculty Senate committee for a briefing from Blue Cross/Blue Shield officials on new insurance options that might eventually become available to state employees.

The other commission members expressed appreciation to the Senate for inviting the commission to participate in the briefing and asked Durham to

keep them posted of any new developments regarding insurance matters.

In other business, the commission decided to invite Faculty Senate President Larry Bauer to attend the May meeting to discuss Senate efforts to improve faculty-and-staff communication with the Board of Trustees.

Commission vice chairman Gary Pringle said Bauer had indicated that the Senate is looking into ways to encourage more and better communication with the Trustees and would like staff members to be involved in the study.

## Engineering college honors three profs

The College of Engineering has honored three members of its faculty for exceptional achievement in teaching and research.

Jay Lathrop, a professor of electrical and computer engineering, and Ben Sill, a professor of civil engineering, received this year's McQueen Quattlebaum Faculty Achievement Awards, a college-wide award given annually.

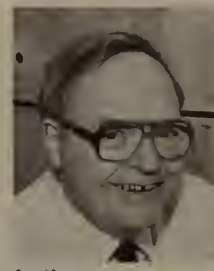
Robert Nowack, an associate professor of civil engineering, received the Byars Prize for Excellence in Teaching, which goes to an outstanding faculty member in an engineering mechanics discipline.

Lathrop, who earned his bachelor's, master's and doctoral degrees from the Massachusetts Institute of Technology, came here in 1968 from Texas Instruments, where he helped develop the integrated circuit. Co-inventor of a miniature solar cell that was patented in 1979, he directs here the nation's only solar cell reliability research facility.

Lathrop is involved in a nationwide research project aimed at perfecting very large scale integration technology. He is principal investigator on a million-plus dollar project to study VLSI reliability.

Sill received his bachelor's and master's degrees from N.C. State University and his doctorate from Virginia Polytechnic Institute. Before coming here in 1976, he served as staff environmental engineer for Duke Power Co. He was also an Oak Ridge Associated Universities Research Fellow at the Oak Ridge National Laboratory.

Much of Sill's research has been aimed at preventing beach erosion by testing seawalls and other preventive measures with an on-campus wave generator of his own design. He helped design the University's 50-foot wind tunnel, which is calculated to simulate outdoor conditions for research on effects of wind, tornadoes and hurricanes on people and property.



Lathrop



Sill



Nowack

Nowack has won the Byars Prize for two consecutive years, and he received the Alumni Master Teacher Award in 1976. He was named Educator of the Year in 1978 by the Piedmont chapter of the S.C. Society of Professional Engineers.

A researcher on the use of computers in engineering education, Nowack received his bachelor's degree in mathematics from Carnegie Mellon and master's degree from the University of Pittsburgh. He has served as a scientific programmer at Lockheed Aircraft Co. and a research mathematician with the National Aeronautics and Space Administration.

## Library to phase out the card catalog

It won't be long until the only sign of the card catalog in the Cooper Library will be the deep impressions that the cabinets left in the carpet.

With the maturation of LUIS (Library User Information System), the library is phasing out the old card catalog in favor of the new computerized catalog, says Rich Meyer, the library's associate director.

"As the online catalog is phased in," says Meyer, "maintenance of the card catalog gradually will be cut back. When all material is listed in LUIS, the card catalog will be removed from the library."

Last month the library staff began step one of the phase-out by discontinuing the filing of complete card sets for new books and started filing only a title card.

"This makes it essential that LUIS be used for author, series titles and subject searches," says Meyer.

Limited maintenance of the card catalog will continue for a few months to come, with modifications to serials

(Continued on page 4.)

(Continued from page 3.)

entries. For withdrawn books, says Meyer, card sets will be pulled from the catalog so as not to mislead users about what the library owns. For reclassified books, cards will be removed, and the title card will be changed to reflect the new location.

Step two of the phase-out will come when the card catalog is closed completely. This will happen after all serial entries have been transferred to LUIS and a microfiche copy of the catalog is available for use during times when the computer is down.

"At that time," says Meyer, "the library staff will cease all maintenance of the card catalog. It will be retained in place to provide access to the older materials until they can be entered into LUIS."

Step three will come when all materials have been entered into the LUIS database. "At that time," he says, "the catalog will cease to have a purpose and it will be removed."

## Sweet potato chips big hit at Lake City

Sweet potatoes cooked into chips, compliments of the Edisto Research and Education Center, were a big hit at this year's Coastal Plains Farmer show in Lake City.

"We sliced potatoes and cooked 'em from 10 in the morning to 5 in the afternoon," says Bobby Croft, agricultural science assistant in horticulture.

More than 20,000 people visited the agricultural equipment exhibition, sponsored by a Raleigh-based farm magazine. And most of them enjoyed a sampling of the sweet potatoes grown under the supervision of Max Hamilton, an associate professor of horticulture at Edisto.

"We didn't hear a single soul say they didn't like 'em," says Croft. "A lot of them thought they were pork cracklins or regular Irish potato chips. They'd never heard of cooking sweet potatoes that way."

## Tiger Fitness Day held last month

Approximately 450 local residents and members of faculty and staff families showed up at the Nursing Building March 5, says nursing media research coordinator Deborah Moore, for Tiger Fitness Day, a joint project of the College of Nursing and the food science department.

Participants attended classes on sensible dieting, stress reduction, sports and nutrition, alcohol and drug abuse, vitamin supplements, blood pressure

control, and anemia management.

There were also special displays in the Nursing Center on alcohol awareness, nutrition and exercising.

In addition, health screenings were conducted to measure participants' height and weight, percent body fat, blood sugar, hematocrit, and blood pressure.

Faculty coordinators of Tiger Fitness

Day were nursing Asst. Profs. Sam Barger and Becky Campbell and food science Asst. Prof. Beth Kunkle. Barger is director of the Nursing Center.

Student coordinators were Kim Swygert of nursing and Adele McAuley of food science.

Twenty nursing students and six food science students assisted.

## Screening committee adopts guidelines

Here are the procedural guidelines adopted by the presidential screening committee at its April 12 organizational meeting:

1. The screening process will be conducted in strict confidence.

2. All screening of candidates by committee members will be accomplished in Sikes Hall.

3. All nominations, applications, resumes and related correspondence will be retained in Sikes Hall.

4. Individual committee members shall make no public statements. While the need for public statements is not immediately foreseen, if it is the consensus of the committee that a statement would be appropriate, it will be issued by the chairman of the committee and the statement will represent the consensus of the committee.

5. Routine inquiries from members of the press and other persons shall be referred by the committee members to the secretary.

6. Candidates will be evaluated in accordance with the desirable qualifications for president as set forth in the "Selection Process for President, Clemson University" approved by the Board of Trustees at its meeting on March 24, 1985. (The qualifications were published in a "News Special" dated March 29.)

7. Each committee member will individually and privately evaluate and score each candidate.

8. The secretary will make arrangements for committee member evaluation sessions as requested by each member.

9. Each member's score sheets will be retained by the secretary in a personal and confidential file in the name of the committee member. This file shall be available only to the committee member and shall be provided to the member by the secretary upon request.

10. When all candidates have been scored by each member and the scores have been tabulated, the lower 75 percent of the candidates will be eliminated, provided, however, any committee member may

request that any candidate in the lower 75 percent shall continue to be considered with the 25 percent.

11. At a meeting of the full committee beginning at 10 a.m. on Thursday, June 6, 1985, the credentials of the remaining candidates will be thoroughly and frankly discussed. The "highly qualified" candidates will then be identified by a least a two-thirds vote of the committee members and the secretary will obtain additional information from those candidates, including a statement by the candidate on how well he or she meets the position specifications and a statement of the candidate's personal philosophy on higher education.

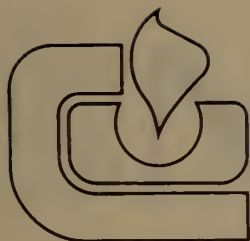
12. The secretary will request that the candidates submit the additional information not later than July 1, 1985. After it is received, it will be studied by each committee member.

13. On Thursday, July 25, 1985, at 10 a.m., the full committee will meet for a thorough discussion of the credentials of the remaining candidates in light of the additional information received. Each committee member will then re-evaluate and rescore the remaining candidates. When the scores have been tabulated, the identity of the top 10 candidates will be ascertained.

Any committee member may require a re-evaluation by the full committee of any candidate not included in the list of the top 10 and request that the candidate be added to the list. A two-thirds vote controls. Similarly, any committee member may require a re-evaluation by the full committee of any candidate who is included in the list of the top 10 and request that the candidate be removed from the list. A two-thirds vote controls.

14. The work of the screening committee will have then been concluded, and the secretary will provide a list of the remaining candidates to the chairman of the Board of Trustees for transmission to the chairman of the selection committee.





# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

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MAY 1 1985

## May 4-10

### CONFERENCES AND WORKSHOPS

- 7-8 Workshop: "Simulation Modeling." Sponsored by Continuing Engineering Education. 101 Riggs Hall. Call 656-3308 for more information.
- 8 Conference: "How to Write Better Technical Reports." Sponsored by Professional Development. Clemson Ramada Inn. Call 656-2200 for more information.
- 8-10 Conference: "Engineering Project Management." Sponsored by Professional Development. Clemson Ramada Inn. Call 656-2200 for more information.

### OTHER EVENTS

- 6-8 Examinations.
- 8 Meeting: "Clemson University Visitors Center" by Janis Moore, manager of the Center. Sponsored by Women in Higher Education Network. Noon, Clemson Holiday Inn. Call 656-3024 for more information.
- Continuous "Women's Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.
- Continuous "Pre-Natal Fitness." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.
- Continuous "Men's Fitness." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.

May  
-31

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# EVENTS

Date	Event	Remarks
1950-01-01	New Year's Day	Holiday
1950-01-02	New Year's Day	Holiday
1950-01-03	New Year's Day	Holiday
1950-01-04	New Year's Day	Holiday
1950-01-05	New Year's Day	Holiday
1950-01-06	New Year's Day	Holiday
1950-01-07	New Year's Day	Holiday
1950-01-08	New Year's Day	Holiday
1950-01-09	New Year's Day	Holiday
1950-01-10	New Year's Day	Holiday
1950-01-11	New Year's Day	Holiday
1950-01-12	New Year's Day	Holiday
1950-01-13	New Year's Day	Holiday
1950-01-14	New Year's Day	Holiday
1950-01-15	New Year's Day	Holiday
1950-01-16	New Year's Day	Holiday
1950-01-17	New Year's Day	Holiday
1950-01-18	New Year's Day	Holiday
1950-01-19	New Year's Day	Holiday
1950-01-20	New Year's Day	Holiday

# Newsletter

MAY 8 1985

May 8, 1985  
Vol 24 No 33

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Telephone training starts next month

Training sessions for using the University's new telephone system will begin next month, says Gwen Mullinax, communications instructor for Southern Bell.

So if you are your department's telephone representative, get ready for some hands-on experience in operating the new system.

Mullinax, who will train the departmental "counselors" or representatives, says the sessions will run from June 13 through July 12. During that time, she says, 170 counselors will be trained. They, in turn, will train other members of their department in the use of the new system.

Twenty-two, one-day classes, with eight persons per class are scheduled, says Mullinax. "They will be playing with real phones in a full day of hands-on experience of learning to operate the system and of solving problems that could arise with the system."

Jane Sosebee, Southern Bell systems designer, says the new system should be "simpler than that used today." The single line concept, which makes it possible for each individual to have a



**Telephone training** -- Gwen Mullinax, center, Southern Bell communications instructor, will begin next month training departmental representatives in the use of the new telephone system. With Mullinax here is Bell systems designer Jane Sosebee, (left), and Carla Reeves, production assistant for the publications and graphics services department.

private number, will free receptionists for other work, plus it will give callers direct access to the persons they are calling, she says.

The "flash cut" to the new system on July 20 should "help minimize the inconvenience of the switchover to the University," says Sosebee.

"Of course, there're going to be some problems," she says. "But the key to minimizing them is immediate on-the-spot help."

That help will be available, she says, by way of a campus "hotline" that will be set up on Monday, July 22, after the cutover. A team of experts from Southern Bell will be available on campus to answer questions and help with problems that may arise.

Few colleges and universities have a telecommunications system such as the one being installed here, says Sosebee. The University of Mississippi will be switching over to a similar system this summer, and the University of California at Berkley has the system already.

Out of the 15 station features available with the system, Sosebee says she

supposes the call-forwarding, conferencing and ring-again options will be used most frequently.

The basic station features of the new system will be explained in future issues of the Newsletter in a special section called "Telephone-ease."

## Reception will honor president, retirees

President Bill Atchley and retiring members of the faculty and Extension Service will be honored May 14 at a reception on the lawn of Tillman Hall.


The reception will immediately follow a general faculty/staff meeting scheduled for 10 a.m. in Tillman Auditorium.

All members of the faculty and staff are invited to attend both the meeting and the reception.

The reception will be sponsored by the University Club, the colleges of the University, and the Alumni Association.

For more information, call accounting Prof. Jim Sheriff, president of the University Club, at 656-3265.

## Telephone-ease

 A guide to basic features and terminology of the new telephone system to be installed in July.

**IBN** -- Integrated Business Network, the name of the telephone system that will be installed throughout the University in July.

**Station** -- Telephone.

**Station User** -- The person placing or receiving a telephone call.

**Call Forward All Calls** -- Allows a telephone user to forward all calls to another predetermined location when the user is away from the office. This feature is activated by the user and can be directed to a different number on each occasion.

# Ag engineer hopes to make hay whether the sun shines or not

"Make hay while the sun shines" goes the old saw, and it's good advice, says Ahmad Khalilian, an agricultural engineer at the Edisto Research and Education Center.

Unfortunately, the sun doesn't always shine to suit the farmer. So Khalilian, who works with forage systems, is studying ways to reduce the amount of bermudagrass and alfalfa that is lost either in the field or during storage.

"It's tough to field cure hay in a high humidity area like the Southeast," he says. "Monthly rainfall usually ranges from four to seven inches during the haymaking season, and an afternoon thunderstorm can wet down newly mowed and wind-rowed hay without warning.

"So, one day saved in drying time may mean the difference between recovering 90 percent of the hay and losing all of it."

Ideally, says Khalilian, hay should be baled when the moisture content is around 20 percent. When the moisture hits 25 percent or more, microbes and molds can grow and drastically reduce hay quality.

Khalilian will use both mechanical and chemical conditioners to try to speed drying time and reduce field losses. He will try chemical preservatives, such as anhydrous ammonia and propionic acid, in tests of high-moisture forage systems, while baling hay at moisture contents ranging from 20 to 60 percent.

Alfalfa offers a special challenge. Known as the "Queen of Forages," alfalfa can produce up to two-and-one-half times more protein per acre than soybeans. Unfortunately, says Khalilian, farmers usually leave too much of it in the field.

"The alfalfa leaves contain about 70 percent of the protein in the plant," he says, "and they dry a lot faster than the stem. By the time the hay is at a safe moisture content, the leaves are overly dry and easily lost in the baling process. Up to 40 percent of the alfalfa can be lost to aspiration and mechanical damage."

He thinks one solution might be to crush the forage mechanically and then apply a bonding agent. One such agent is a powdered glue made from sorghum and other materials.

Juices released by the plant during crushing would activate the glue and stick the leaves and stem together, a process that could cut losses to less



**Khalilian**

than eight percent.

Khalilian tried the bonding experiments at Oklahoma State. Now he will be moving his tests to the fields of South Carolina.

## Kiwi may become new state crop

Kiwifruit may play an important role in South Carolina's agricultural future. That's the conclusion of a group of horticulturists who this semester visited New Zealand for a first-hand look at kiwifruit production.

"There's a strong market for kiwifruit in this country," says Ansel King, Extension fruit specialist. "Although there are a number of production problems to work out, it could possibly become an important commodity in the extreme lower part of the state."

King was a member of a team that spent 15 days in New Zealand looking at fruit research, studying weather data and visiting kiwifruit farms.

Other members of the team were Judy Caldwell, an assistant professor of horticulture, Wayne Sitterly, director of the Coastal Research and Education Center and Maurice Ferree of the University of Georgia.

In the 25 years since kiwifruit, a native of China, was first cultivated in

New Zealand, the country has become the world leader in production of the small, brown fruit that annually rakes in millions of green dollars.

It is eaten raw, is used in ice cream and wine and as a flavoring in bakery products.

South Carolina has only one kiwifruit orchard, says King, and that is a 16 acre planting in Edgefield County. "This orchard is probably the largest operation in the nation outside California," he says.

When state agriculture officials first looked into the feasibility of wide-scale kiwifruit production here, says King they found little information on the fruit in this country since almost all the research is done in New Zealand.

With funds from Hortex (a large private New Zealand nursery operation that has announced plans to locate plant stock nursery in South Carolina) and the Department of Scientific and Industrial Research, the team set out for New Zealand.

Traveling almost 1,000 miles to North Island, King's group visited dozens of farms and met with officials of the Ministry of Agriculture and Fisheries, the New Zealand counterpart to the Cooperative Extension Service.

"They shared a lot of information information that took years and lots of money to put together," he says.

Since South Carolina's climate is some ways similar to New Zealand's, King says, agricultural officials here feel production problems can be worked out in order to grow the fruit successfully in the Palmetto State.

## Faculty, staff to meet

The faculty and staff will meet in a general session at 10 a.m., May 11 in Tillman Hall Auditorium.

The meeting, in which retiree will be honored, is open to all members of the faculty and staff.

## Graduation Set

Spring graduation exercises are set for May 15 at 11 a.m. in Littlejohn Coliseum.



The Clemson University Newsletter is published for Judy Davis, an offset printing operator at the Duplicating Services Center, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenney  
Assistant Editor \_\_\_\_\_ Joyce D. Barr  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

## New Employees

The University welcomes the following employees who joined Clemson during the months of February, March and April.

### Accountancy

Dunn, Martha J., Clerical Specialist C.

### Admissions and Registration

Landrum, Leila R., Student Development Specialist I.

### Biological Sciences

Gowaty, Patricia A., Research Associate/Assistant Professor.

### Bookstore

Moore, Sara D., Administrative Specialist A.

### Building Maintenance

Orr, William J., Trades Craftsman.

### Campus Master Planning

Miller, Harold L. III, Engineering Associate II.

### Chemical Engineering

Massobrio, Carlo, Research Associate.

### Chemistry and Geology

Patel, Dalpat, Research Associate/Assistant Professor.

Ramesh, Manian, Research Associate/Assistant Professor.

### Coastal Research and Education Center

Barron, John W., Agricultural Aide

### Computer Center

Miller, Michael J., Software Systems Support Technician I.

### County Agent Work

Franklin, Robert M., Area County Extension Agent-Associate.

Hiers, James M. Jr., Area County Extension Agent-Associate.

Howard, Daniel M., County Extension Chairman-Associate.

Lovin, Jeffrey C., County Extension Agent-Assistant.

### Custodial Services

Galbreath, Dorothy M., Custodial Worker I.

Owens, Barbara J., Custodial Worker

Singh, Mangal, Custodial Worker I.

### Division of Information Systems Development

Hayes, Jeanine L., Program Analyst II.

### Edisto Research and Education Center

Khalilian, Ahmad, Assistant Professor of Agricultural Engineering.

### Electronic and Photographic Services

Koonce, Roger W., Director.

### Entomology

Heyn, Michael W., Entomologist.

### Extension Home Economics-State

Cox, Ruby H., Assistant Professor.

### Financial Management

Hallums, Rebecca A., Accounting Technician I.

### Fire Protection

Rochussen, Alan G., Firefighter I.

Santos, Kim L., Firefighter I.

Warnock, Robert T., Firefighter I.

### Forestry

Campbell, Kay T., Clerical Specialist C.

### Home Economics-County

Martin, Joseph A. Jr., County Extension Agent-Assistant.

### Livestock and Poultry Health

Dillon, Calvin J., Meat Inspector.

Dennis, Philip E., Meat Inspector.

Spigner, Barry L., Meat Inspector.

### Parks, Recreation and Tourism Management

McKelvey, Janis M., Administrative Support Specialist A.

### Plant Pathology and Physiology

Lippert, Connie R., Agricultural Science I.

### Pee Dee Research and Education Center

Decoteau, Dennis R., Assistant Professor of Horticulture.

### Poultry Science

Inglis, Mary H., Research Specialist II.

### Student Life

Neely, Kim H., Clerical Specialist C.

### Track

Williams, E. Wade, Head Track Coach.

### University Post Office

Lewis, John O. III, Postal Clerk.

## Pick up academic apparel at the purchasing center

If you ordered academic apparel through the University to wear during commencement May 15, you may pick up your order at the Purchasing and Supply Services Division on Perimeter Road today, tomorrow or Friday (May 8, 9 or 10).

Pick-up hours are 8 a.m.-noon and 1-4 p.m. each day.

After commencement, which will begin at 11 a.m. next Wednesday in Littlejohn Coliseum, personnel from the Purchasing Division will be at Gate 3 of the coliseum to take back all rented items.

If you can't return your items immediately after the ceremony, you must return them to the Purchasing Division no later than Friday, May 17.

If you have any questions, call Purchasing's Kylene Gravely at 656-2390.

## Safety belt policy says 'buckle up'

"Buckle up for safety" is no longer just a slogan or helpful reminder. It's now official policy for state employees.

In the interest of protecting lives, reducing injury and decreasing economic loss, the state has issued a policy requiring you to "buckle up" when traveling on the job.

The policy states that every employee must wear a safety belt "at all times when operating or being transported as a passenger in a state-owned vehicle equipped with safety belts."

Bill Nix, supervisor of the motor pool, says that all University vehicles are equipped with safety belts and that a decal stating safety belt policy is being placed in each vehicle.

Fortunately, few University employees are involved in major traffic accidents while on the job. From February 1984 to February 1985, for instance, out of the 8,254 trips made in motor pool vehicles, there were 52 accidents and even fewer injuries.

"I think the [safety belt] policy is a good one," says Nix. "The state highway people say that in serious accidents, the people most likely to have the least injuries are those who are buckled up."

The policy comes as a result of private and governmental research, which indicates that safety belts save lives, reduce the number and severity of injuries, and reduce economic loss suffered among accident victims.

## Dates approaching for closing out year

Here are the deadlines that departments have to meet in order to pay for requisitions, vouchers and work orders with 1984-85 funds.

• **Requisitions:** For account numbers that begin with a "1" (which basically means state-appropriated funds), it's already too late (the deadline was May 1) to charge requisitions of \$1,500 or more to the 1984-85 year. The same applies to requisitions for information technology equipment.

For all other requisitions, the paperwork has to reach the Purchasing Division by May 15 for payment to be made with 1984-85 money.

• **Direct Purchase Vouchers:** These must reach the Accounts Payable Department by July 8 to be charged to 1984-85.

• **Maintenance, Office and Janitorial Supplies:** Requests have to be received

by June 14 to be charged to '84-85. Bills have to be paid by June 28.

• **Duplicating Services:** Only work orders completed and processed by June 21 will be charged to '84-85.

• **Postage:** Bills for postage through June 21 will be sent to departments on June 24 and have to be paid by June 28.

• **Photographic Services:** Only requests completed and processed by June 21 will be charged to '84-85.

• **Motor Pool Services:** 1984-85 bills will be sent as of June 28 and have to be paid by July 8.

• **Physical Plant Work:** Only work performed on or before June 28 will be charged to '84-85.

• **Shipping Charges:** 1984-85 bills will be sent on June 26 and must be paid by July 5.

• **Centrex Telephone Services:** 1984-85 bills will be sent around June 25 and have to be paid by July 5. (The bills departments will receive in mid-July will be charged to 1985-86.)

## Planning students win award for study of Allendale

Planning students in the College of Architecture have won a national award for their revitalization study of the town of Allendale.

The students received the American Institute of Certified Planners Student Project Award at the American Planning Association conference last month in Montreal. The award recognizes students or a group of students for "outstanding achievements that contribute to advances in the field of planning."

The project originated in 1983 when Allendale officials, after receiving \$500,000 from a community development block grant, contacted the planning studies department here about efforts to improve the overall quality of the town.

After discussion among town officials, grant administrators, and Profs. Barry Nocks of architecture and Eddie Wynn of agricultural economics, \$10,000 was set aside for the study, which began in January 1984.

Working closely with town officials and citizens, three graduate assistants

and 10 graduate students targeted three areas of concern: housing conditions in the Roosevelt Heights neighborhood; conditions in downtown Allendale; and overall economic conditions in the town.

As a result of the study, merchants have spruced up the downtown area and painted the facades of buildings, and a committee is working to clean up the streets. The Allendale City Council is working to implement more of the recommendations.

Jose Caban, head of the planning studies department, said the award "reflects not only the high quality of the work in this department, but also how this department ranks nationally. It also raises Clemson's visibility nationally in professional circles."

The planning studies department, established in 1968, is the only one in South Carolina and one of 64 nationwide. In keeping with the University's public service mission, planning students frequently work with local governments on community projects.

## Classified Information



### Answers to Questions from Classified Staff

**Q:** Why are employees required to register their vehicles each year?

**A:** To prevent unauthorized use of employee parking lots by former employees or by students who have bought vehicles with current employee decals displayed.

**Q:** If my registered vehicle becomes inoperable and I drive another vehicle to campus, am I required to register that vehicle?

**A:** Yes. You should report to the Office of Parking and Vehicle Registration in the University Police Building on "A" Street and secure a decal. If the vehicle is to be driven on campus for a week or two, you may secure a temporary decal.

**Q:** May employees park in visitor spaces after 5 p.m.?

**A:** According to the traffic code, "Neither students nor employees shall park in visitor parking spaces unless they are driving a motor vehicle owned by a bonafide visitor who is visiting campus at that time." This applies around the clock.

**Q:** If I am required to load or unload materials and/or supplies and no level space is available, what do I do?

**A:** Call the University Police Department at 656-2222, explain the problem, and you will be authorized to park as near the building as possible.

**Q:** May I park my motorcycle in a regular vehicle parking space?

**A:** No. You may park only in spaces designated for motorcycles.

Further questions and suggestions pertaining to parking should be directed to the Director of Parking and Vehicle Registration, University Police Building, "A" Street, or call 656-2270.

If you have a question related to University-wide issues of concern to classified employees, you are invited to send it to the Commission on Classified Staff Affairs, P.O. Box 2121, University Station.

### DID YOU KNOW?

The Holtzendorff YMCA Center provides a baby-sitting service for its morning fitness classes. The cost is \$1.50 for one child and \$2 for two children.

### DID YOU KNOW?

A Federal Express drop box is now located in the lobby of the University Post Office. Outgoing express items should be delivered to the box by 4:30 p.m.

MAY 8 1985



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications' master calendar for possible scheduling conflicts.*

### May 11-17

May

M	T	W	T	F	S
		1	2	3	4
5	6	7	8	9	10
11	12	13	14	15	16
17	18	19	20	21	22
23	24	25	26	27	28
29	30	31			

- 11 Allied Health Profession Admissions Test. Sponsored by Counseling and Career Planning Center, 8 a.m. to noon. Call 656-2451 for more information.
- 14 Meeting: General session of faculty and staff, 10 a.m., Tillman Hall Auditorium. Call 656-3204 for more information.
- 15 Graduation, 11 a.m., Littlejohn Coliseum.
- 16 University housing closes, 8 a.m.
- 17 Meeting: Linkup, an organization for users and potential users of computers, P&A Auditorium, 2 p.m. This will be first of two (second will be June 7) during which faculty members will speak on the use of computers in teaching. Call 656-2396 or 656-3024 for more information.
- Continuous "Women's Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.
- Continuous "Pre-Natal Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.
- Continuous "Men's Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.

# AWARDS

1950  
1951  
1952

Year	Name	Category
1950	John Doe	Best Actor
1950	Jane Smith	Best Actress
1950	Bob Johnson	Best Director
1950	Charlie Brown	Best Screenplay
1950	Diana Prince	Best Music
1950	Frank Miller	Best Production Design
1950	Grace Kelly	Best Costume Design
1950	Harry Potter	Best Hair Styling
1950	Ivy League	Best Makeup
1950	Jackie Kennedy	Best Production Office
1950	Katharine Hepburn	Best Production Office
1950	Lauren Bacall	Best Production Office
1950	Marilyn Monroe	Best Production Office
1950	Natalie Wood	Best Production Office
1950	Paul Robeson	Best Production Office
1950	Richard Widmark	Best Production Office
1950	Sally Field	Best Production Office
1950	Tommy Lee Jones	Best Production Office
1950	Uma Thurman	Best Production Office
1950	Warren Beatty	Best Production Office
1950	Xosha Roquemore	Best Production Office
1950	Yul Brynner	Best Production Office
1950	Zoe Lister-Jones	Best Production Office
1950	Anna DeBorja	Best Production Office
1950	Barbra Streisand	Best Production Office
1950	Ben Affleck	Best Production Office
1950	Celine Dion	Best Production Office
1950	Dave Matthews	Best Production Office
1950	Eminem	Best Production Office
1950	Fergie	Best Production Office
1950	Gwen Stefani	Best Production Office
1950	Halle Berry	Best Production Office
1950	Idina Menzel	Best Production Office
1950	Jessie J	Best Production Office
1950	Kanye West	Best Production Office
1950	Lil Nas X	Best Production Office
1950	Megan Thee Stallion	Best Production Office
1950	Nicki Minaj	Best Production Office
1950	Olivia Rodrigo	Best Production Office
1950	Post Malone	Best Production Office
1950	Queen	Best Production Office
1950	Rihanna	Best Production Office
1950	Sade	Best Production Office
1950	Sheryl Crow	Best Production Office
1950	Stevie Nicks	Best Production Office
1950	Tina Turner	Best Production Office
1950	U2	Best Production Office
1950	Vanessa Williams	Best Production Office
1950	Whitney Houston	Best Production Office
1950	Yoko Ono	Best Production Office
1950	Zoe Lister-Jones	Best Production Office





# Newsletter

May 15, 1985  
Vol 24 No 33

MAY 20 1985

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## CU confers honorary degrees; honors top teacher, student

Approximately 1,600 students received degrees this morning during commencement exercises in Littlejohn Coliseum.

The 11 a.m. ceremony included President Bill Atchley's last commencement address as the University's chief executive, the awarding of two honorary degrees and presentation of the Alumni Master Teacher Award and the Norris Medal.

(Reports on President Atchley's commencement address and on his remarks at yesterday's faculty-staff meeting will appear in a forthcoming Newsletter.)

Honorary degrees were awarded to South Carolina natives Robert Lumiansky of New York City and Arthur M. Williams of Columbia.

Lumiansky, a nationally known humanist, received an honorary doctor of humanities degree. Williams, chairman emeritus of SCE&G, received an honorary doctor of laws degree.

Lumiansky, who has achieved national prominence as a medieval scholar, has written numerous books and articles. Among them is "Malory's Originality: A Critical Study of 'Le Morte Darthur,'" regarded in scholarly circles as one of the most influential and complete arguments for Malory's authorship of "Le Morte Darthur."

As president for three decades of the American Council of Learned Societies, he cultivated that organization and guided it to national prominence.

The Darlington native is a graduate of The Citadel and holds a master's degree from the University of South Carolina and a doctorate from the University of North Carolina.

Williams, a graduate of Clemson College and the University of South Carolina School of Law, joined SCE&G in 1944 as director of personnel and industrial relations. He also then taught classes at Carolina law school.

He moved up through SCE&G's executive ranks, becoming chairman of the board of directors in 1977. Two years later he retired and was named chairman emeritus of the company.

Throughout his career Williams has been active in civic affairs and higher education. He is a recipient of the

Algernon Sydney Sullivan Award and is listed in "Who's Who in America."

He took an active role in the development of Benedict College and Voorhees College, where he serves on the board of directors.

He is a board member of the University of South Carolina Educational Foundation and a former member of the board of directors of Converse College.

### Top teacher, top student

Assoc. Prof. Chris Sieverdes is this year's recipient of the Alumni Master Teacher Award, an honor bestowed by students "to recognize outstanding classroom accomplishments and distinguished teaching."

Recipients are selected by the Student Alumni Council based upon nominations solicited from all students.

The once-in-a-lifetime award carries a \$1,500 stipend from the Alumni Association.

Sieverdes, a sociologist, came here in 1976 from the University of North Carolina at Wilmington, where he taught for four years.

His bachelor's degree is from the University of Richmond, his master's from Virginia Commonwealth University, and his doctorate from Mississippi State University.

His student-related activities include or have included service on the Commission on Student Affairs, the University Alcohol and Drug Abuse Committee and the Greek Affairs Committee and as a volunteer in the New Student Orientation Program each summer.

A major project of his at present is the Agricultural Literacy Program to enhance the awareness of faculty, students and the public about food-related, human nutrition and agricultural related issues.

Sieverdes co-directs the program, which is funded by the W.K. Kellogg Foundation and jointly sponsored by the colleges of liberal arts and agricultural sciences.

The Norris Medal, given annually to a graduating senior for general excellence in scholarship and extracurricular

activities, was awarded during commencement to Harriet Allison Smith of Marshville, N.C.

Smith, a civil engineering major with a 4.0 GPR, has already published three articles in professional publications.

The R.F. Poole Scholar is a member of numerous honor societies and engineering organizations, ranging from Phi Kappa Phi and Alpha Lambda Delta to the Society of Women Engineers and the Joint Engineering Council.

Among her most recent awards are the Outstanding Female Undergraduate Award given by the Women's History Week Committee and the Samuel B. Earle Award given to the outstanding senior in the College of Engineering.

Duke University has awarded her a three-year James B. Duke Fellowship.

(Recipients of the Faculty Scholarship Award, given to graduates with 4.0 GPRs, were also honored during commencement, but the students' names were not available at press time.)

## Year-end meeting includes presenting of honors, awards

Honors were bestowed yesterday upon an outstanding researcher, seven faculty members cited for their effectiveness and professionalism, and 19 retiring members of the faculty and Extension Service.

The presentations, a report from 1984-85 Faculty Senate President David Senn, and an address from University President Bill Atchley were parts of a 10 a.m., semester-ending, faculty-staff meeting in Tillman Hall Auditorium.

The session was President Atchley's last general meeting with the faculty and staff as the University's top administrator. His resignation is effective July 1.

(Reports on Atchley's address and Senn's report will appear in a forthcoming Newsletter.)

Darryl DesMarteau, head of the chemistry and geology department, received this year's Alumni Award for Outstanding Research.

A fluorine chemist, DesMarteau leads research efforts here aimed at finding new methods of fluorination, the pro-

(Continued on page 2.)

(Continued from page 1.)

cess of substituting fluorine for other elements in a chemical compound.

This "atom-shuffling" ability is important to the development of new pharmaceuticals, synthetic fuels, materials for coatings, agricultural chemicals, and a host of other products.

Clemson is one of only a handful of academic institutions in the country involved in fluorine research, and last year DesMarteau received half a million dollars from the Department of Defense to support his work here.

DesMarteau joined the University in the fall of 1982. He earned his Ph.D. at the University of Washington after doing his undergraduate work at Washington State University.

The Outstanding Research Award is presented annually by the Alumni Association and carries a \$1,500 stipend.

The recipient is selected by a committee of Sigma Xi and Phi Kappa Phi members.

### High ideals

The local chapter of the American Association of University Professors paid tribute to seven faculty members for "embodying the high ideals of the academic profession."

The annual AAUP Awards recognize faculty members for their contributions to the University and community, generous and disinterested service to others and effective representation of their colleges and the University to society.

This year's recipients are Cliff Fain of ceramic engineering, Robert Hill of English, Clarence Hood of agricultural engineering, Renu Laskar of mathematical sciences, Myrle Swicegood of home economics, Sam Wang of visual arts and history, and William West of industrial education.

Nineteen retiring faculty and Extension Service members were honored for their service and contributions to Clemson and received "emeritus" titles during the faculty-staff meeting.

The retirees are Theodore Roosevelt Adkins Jr. of entomology, Roy Horton Bailey Jr. of chemistry, Sarah Myrtice Boazman of Extension, Raymond Lester Boozer of Extension, Douglas Wilson Bradbury of mechanical engineering, Albert Foster Busby of Extension, and Edward Ford Byars of mechanical engineering.

Also, Bennie Lee Cunningham of agricultural education, Henry Lawrence Eason of Extension, Edward Lockwood Falk of planning studies, Elena Gonzales Fernandez of Spanish, William Herbert Funchess of Extension, and Ralph Wayne Gilchrist of electrical and computer engineering.

Also, Eva Lillian Goldberg of Extension, William Garraux Hudson of me-

chanical engineering, Robert Stansbury Lambert of history, Knox Schaffer Landers of chemistry, Walter Saxon Walker of poultry science, and Hilton Vernard Rogers of fertilizer inspection and analysis.

In other business at the meeting, the faculty elected graduating senior Harriet Allison Smith to receive the Norris Medal this year.

The Norris Medal recognizes all-around excellence in scholarship and service. Recipients are nominated by the Scholarships and Awards Committee.

Smith is a civil engineering major with a 4.0 GPR and long list of academic and extracurricular activities and accomplishments to her credit.

## Local businesses invite faculty, staff to attend reception

Faculty and staff members are invited to attend a reception tomorrow (May 16) as guests of the Clemson Chamber of Commerce and Greater Clemson Inc.

The 5:30 p.m., "business after hours" social will be held in and around the Chamber's office in the University Square Mini Mall, according to Catherine Smith, the Chamber's executive director.

University President Bill Atchley and planning students from the College of Architecture will participate in presentations during the reception.

Chamber and Greater Clemson officials will give Atchley a plaque expressing appreciation for his efforts to build and maintain good relations between the University and the local community, Smith says.

The students will present the two business groups and the city of Clemson's planning commission a map and report identifying sites within a five-mile radius of the city that are available for industrial development.

Ed Falk, head of the planning studies department, says three graduate students have spent two semesters working on the research project, which was

jointly sponsored by the Chamber Greater Clemson and the planning commission.

Also during the reception, the Chamber will introduce its new members for the month, Smith says.

## Advisers can help Alumni Office keep club alumni lists

The Alumni Office is willing to help recognized student organizations keep track by computer of their alumni, but to do that the office needs the help of the clubs' faculty-staff advisers.

Caroline Busch, who directs the administrative services unit in the Alumni Center, says it would be helpful if advisers would send to her office each semester the names of club members who are graduating.

That way, when the graduates' names and addresses are moved from the Student Affairs computer files to the Alumni files, each new alumnus' student activities can be entered on his or her record.

Years later then, when (as often happens) a club needs a list of all its former members and turns to the Alumni Office for help, the list will most likely be complete and accurate.

For more information, call Busch at 656-2345 or write her at the Alumni Center.

## Let Personnel know your plans to retire

If you're planning to retire on or before June 30 and haven't yet contacted the Personnel Office, please do so immediately, asks personnel assistant Debbie King.

There are various forms and procedures that must be completed for retirement to occur smoothly and for the retiree to get the benefits due him or her, says King.

The Personnel Office is in General Hall (across from the tennis courts) on Seneca Road. The number is 656-242



The Clemson University Newsletter is published for Debbie King, a personnel assistant, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barry  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications master calendar for possible scheduling conflicts.*

May 18-24

MAY 20 1985

## CONFERENCES, SEMINARS AND WORKSHOPS

- 21-22 Conference: "Continuous Dyeing." Sponsored by Professional Development. Clemson Holiday Inn. Call 656-2200 for more information.
- 21-23 Conference: "Design of Industrial Electrical Power Systems." Sponsored by Continuing Engineering Education. Call 656-3308 for more information.
- 24-26 Workshop: "Wellness Weekend." Sponsored by Continuing Nursing Education. Clemson Outdoor Lab. Call 656-3078 for more information.

## OTHER EVENTS

- 19 University Housing opens for first summer session.
- 20-31 "Life Saving." A 20-hour American Red Cross course. Sponsored by Clemson YMCA. 5-7 p.m., YMCA Center. Call 654-2361 for more information.
- 21 Registration for first summer session.
- 22 Classes begin and late registration fee applies for first summer session.
- 23 Last day to register and last day to add a subject for first summer session.

Continuous "Pre-natal fitness." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.

# May

S	M	T	W	T	F	S
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5	6	7	8	9	10	11
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19	20	21	22	23	24	25
26	27	28	29	30	31	

# EVENTS

The following events are scheduled for the month of...

On the 1st of the month, the...

The 2nd of the month will see...

On the 3rd of the month, there will be...

The 4th of the month is reserved for...

On the 5th of the month, the...

The 6th of the month will feature...



MAY 22 1985

# Newsletter

May 22, 1985  
Vol 24 No 35

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Visiting nursing prof to spend year here under new program

Margie N. Johnson, a professor of psychiatric and mental health nursing at Texas Woman's University, will begin a one-year visiting professorship in the College of Nursing this fall under a new program designed to increase the visibility of black scholars here.

She will be the program's first "Distinguished Scholar in Residence."

"Clemson is leading all state institutions in hiring minorities, but we still greatly need to bolster the image of blacks in higher education," says Frank Mauldin, director of the Office of Hu-

man Resources.

"This program was established as a way to bring to campus individuals who can serve as role models for our black students and examples of success and achievement by a black person to all students."

Johnson received her bachelor's degree from Prairie View A&M University, her master's from Indiana University and her doctorate from Texas Woman's University. She has done post-graduate work at the University of California at Los Angeles, Wayne State University and Howard University.

In 1982, Johnson was part of a six-member team of nursing consultants sent to Nigeria in a project sponsored by the U.S. Department of Health and Human Services and the Nigerian Min-



Johnson

istry of Health.

She also held a two-year post at the University of Ibadan, West Africa.

The author of numerous textbook chapters and technical articles, Johnson serves on the editorial board for "Advances in Nursing Science." Her research has centered on the study of heart disease factors in black communities.

## Publications Office requests your help

The publications and graphics services department next month will begin scheduling jobs for the 1985-86 fiscal year. So if you're going to need the department's services next year, now's the time to let the staff know, says acting director Debbie Dunning.

"We need for anyone who's planning a publication or other printed item intended for an external audience to let us know about it by June 10," she says.

"The person should send us a memo stating the name of the piece, a brief description of it, when the client plans to begin production, and when the publication needs to be delivered."

Dunning says departments should allow at least 14 weeks of production time for new publications and major revisions, seven to 12 weeks for medium or minor revisions, and five to seven weeks for reprints.

"We realize it's impossible to think of everything in advance," she says, "and if the need arises for a publication or other printed item that is not included in a client's annual plan, we'll certainly try to work it in — even when the production time is shorter than normal.

(Continued on page 2.)



## Reflections of Clemson

Architecture student Jack Crow, a rising junior from Clemson, got the idea for his untitled, acrylic painting of Tillman Hall and Thomas Green Clemson's statue while at the Governor's School for the Arts in the summer of 1982. There he used the same technique to paint the Furman University bell tower, but "I always wanted to do the same thing with Tillman," he says. Recently he put the idea to canvas as a project for one of Prof. Ireland Regnier's visual arts classes.

(Continued from page 1.)

"But it really helps us when we have an idea of what jobs will be coming during the year. It helps the client, too, since we are able to plan better for the job and devote more time and thought to it."

As always, says Dunning, if for some reason the publications office can't produce a job by the desired deadline, the staff will help the client find an outside source to do the work.

If you have any questions about the services available through the department of publications and graphics services, call Dunning at 656-2467.

## Hanover House seeks weekend volunteers

Historic Hanover House needs "a few good volunteers."

If you like colonial history and enjoy meeting people, then you may be interested in being a weekend volunteer at the 18th century home on East Campus.

Hanover House was built in 1716 in the South Carolina lowcountry by a French Huguenot family. The house was dismantled and moved here in the 1940s to save it from flooding by the Santee-Cooper hydroelectric project.

Volunteers greet visitors and give commentary about the background and significance of Hanover House. Weekend hours are 10 a.m.-noon and 1-5:30 p.m. on Saturdays and 2-6 p.m. on Sundays.

If you are interested in more details about the Hanover House volunteer program, get in touch with John Allen in University Relations at 656-2061.

## Science workshops will start June 9

There'll be a lot of fresh, young faces around campus beginning June 9, when the University launches its 1985 Summer Science and Engineering Honors Program for gifted and talented high school students.

The one-, two- and three-week summer science camps, sponsored by the colleges of engineering, liberal arts, and sciences, let students study at their own pace their two favorite scientific subjects.

"This program has been offered for the past three years, and it has been very well received," says psychology Prof. Spurgeon Cole, the program coordinator.

"The students live in dormitories and can use the campus tennis, racquetball and swimming facilities. In addition to the courses, we also provide educational field trips and have weekend or evening

activities such as nature studies, lake activities or meetings with Clemson faculty."

One-week sessions, scheduled for June 9-15 and July 7-13, are designed to identify early talent among rising seventh-, eighth- and ninth-graders, Cole says. Subject areas include chemistry and biochemistry, mathematical computing and computer science, psychology and physiology, physics and astronomy, and biology.

"The two-week sessions are accelerated programs primarily designed for students going into the ninth, 10th and 11th grades," he says. The sessions are set for June 16-29 and July 14-27 and will offer the same courses as the one-week sessions, plus creativity and engineering design, geology and basic electronics.

Three-week workshops, to be held June 9-29 and July 7-27, are specialized and highly accelerated programs for the most gifted students, Cole says. Students can choose two subjects from physics and astronomy, mathematical computing and computer science, creativity and engineering design, and basic electronics.

Fees for the sessions are \$295 for one week, \$485 for two weeks, and \$695 for three weeks. The cost includes room, board, educational materials, field trips, insurance and use of University health care and recreational facilities.

For more information contact Cole at Hardin Hall or call 656-3212.

## Extension leaflets can help u-pickers

With the spring harvesting season under way, the Extension Service has a new series of leaflets for consumers who enjoy picking their own fruits and vegetables.

From asparagus to strawberries, from blueberries to tomatoes, the leaflets cover a wide range of fruits and vegetables available u-pick'em style.

Each two-color, folded leaflet in the series deals with one fruit or vegetable. Leaflets are available for asparagus, blackberries, blueberries, broccoli, cab-

bage, carrots, strawberries and tomatoes

The publications give information on what to pick and how to pick it, recipes for serving the products fresh, and details on preserving, says Extension nutritionist Mildred Cody. Free copies are available at Extension offices in each county.

Whether it's greens and strawberries in early spring or apples and collards in fall and winter, there are very few days during the year when some fruit or vegetable isn't available at an increasing number of pick-your-own farms in the state, Cody says.

Strawberries, the most popular u-pick crop, are now in season all over South Carolina.

A growing number of consumers eagerly await the opening of u-pick farms each year. Cody says Clemson u-pick surveys in 1983 and 1984 show u-pickers prefer to pick their own primarily because of high quality and freshness.

"With u-pick, the consumer has the choice of the best of the crop. If it isn't absolute top quality and they don't want it, they just don't pick it," she says.

"They can pick fruits and vegetable at one stage of maturity to use fresh and others not quite as mature for canning and freezing."

There's also a nutrition advantage with many u-pick items, Cody says. "They're obviously fresher, and they contain more nutrients, especially vitamin C and folacin, which are necessary for all cell repair and reproduction."

Of 2,600 persons who took part in the 1984 u-pick survey, done primarily at strawberry and blueberry operations, less than 10 percent listed lower prices as the reason for visiting u-pick fields.

Since 1980, when only a few farms offered food (primarily strawberries) u-pick style, the number of such outlets has increased rapidly. The variety of fruits and vegetables available for u-pick is much greater now.

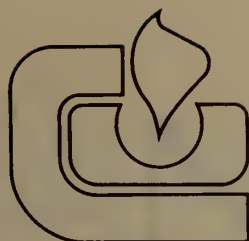
A "Direct Market Directory," prepared by the horticulture department, lists u-pick operations across the state. Copies are available free at Extension offices.



The Clemson University Newsletter is published for the Physical Plant's Eddie Barker, who recently received "A" level (the highest) state certification as a water treatment plant operator, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
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# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications master calendar for possible scheduling conflicts.*

## May 25-31

### CONFERENCES AND WORKSHOPS

- 28-29 Workshop: "Medical/Surgical Nursing." Sponsored by Continuing Nursing Education. 9 a.m.-4:30 p.m., McAdams Hall Auditorium. Call 656-3078 for more information.
- 29-30 Conference: "Apparel Manufacturing: Today and Tomorrow." Sponsored by Professional Development. Clemson Ramada Inn. Call 656-2200 for more information.
- 30 Workshop: "Obstetrical Nursing." Sponsored by Continuing Nursing Education. 9 a.m.-4:30 p.m., McAdams Hall Auditorium. Call 656-3078 for more information.
- 31 Workshop: "Pediatric Nursing." Sponsored by Continuing Nursing Education. 9 a.m.-4:30 p.m., McAdams Hall Auditorium. Call 656-3078 for more information.

### OTHER EVENTS

- 25 Classes meet.
- 29 Last day to withdraw from class or the university without record.
- Continuous "Pre-natal fitness." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.

## May -31

M	T	W	T	F	S
		1	2	3	4
6	7	8	9	10	11
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20	21	22	23	24	25
27	28	29	30	31	

# THE EVENTS

The first event was held on the 15th of the month. It was a very successful one and we were very pleased with the results. The second event was held on the 22nd and was also very successful. We were very pleased with the results.

The third event was held on the 29th and was also very successful. We were very pleased with the results. The fourth event was held on the 5th of the next month and was also very successful. We were very pleased with the results.

The fifth event was held on the 12th and was also very successful. We were very pleased with the results. The sixth event was held on the 19th and was also very successful. We were very pleased with the results.

The seventh event was held on the 26th and was also very successful. We were very pleased with the results. The eighth event was held on the 3rd of the next month and was also very successful. We were very pleased with the results.

The ninth event was held on the 10th and was also very successful. We were very pleased with the results. The tenth event was held on the 17th and was also very successful. We were very pleased with the results.

The eleventh event was held on the 24th and was also very successful. We were very pleased with the results. The twelfth event was held on the 31st and was also very successful. We were very pleased with the results.

The thirteenth event was held on the 7th of the next month and was also very successful. We were very pleased with the results. The fourteenth event was held on the 14th and was also very successful. We were very pleased with the results.

The fifteenth event was held on the 21st and was also very successful. We were very pleased with the results. The sixteenth event was held on the 28th and was also very successful. We were very pleased with the results.





# Newsletter

May 29, 1985  
Vol 24 No 36

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Agricultural Literacy Program links agriculture and the arts

There's something new to enjoy in Newman Hall -- along the walls and about the lobby of the Agricultural Sales Center.

Now, as you lick your ice cream cone and place your order for Clemson Blue Cheese, you can browse among 11 acrylic paintings and delight in the new greenery of hanging, planted and potted flora.

The paintings and plants are among the phase-one results of the Agricultural Literacy Program, a project funded by the W.K. Kellogg Foundation to increase people's awareness of the importance and breadth of agriculture, food and nutrition issues and studies.

In an informal ceremony at the Ag Sales Center April 30, Harry E. Bolick, a fourth-year architecture student, received a \$50 honorarium for best painting in the student art exhibit, "Food in Agriculture," which deals with agriculture as interpreted by the artists.

Bolick's painting and those of merit award winners Richard Kiely and Chris Farr were selected by Susan Wooten, a professional artist and an instructor in art at Anderson College. All of the paintings were created in a class taught by visual arts Prof. Ireland Regnier.

The other half of the joint venture between horticulture and visual studies was a presentation by Julie Ann Bennett, a junior horticulture major, who explained her design of an "interior scape" for the Ag Sales Center. She used plants to make the space more pleasing visually and to show how design is involved in so many facets of living.

According to Regnier, Mary Haque, an associate professor of horticulture, had the idea for the Ag Sales project. "She got in touch with me," he says, "to see if I wanted to get one of my classes involved."

Both the art exhibit and the interior scape are just two of a series of projects around the campus "designed to get people thinking more about the role of agriculture in our lives," says Chris Sieverdes, an associate professor of sociology and co-director of the Ag

Literacy Program.

For example, earlier in the semester art and horticulture students formed teams to propose landscaping and sculptures for the McGinty Mall area bordered by Barre, Lehotsky, McAdams, and Newman halls and the P&AS building.

The Kellogg Foundation has awarded the University \$100,000 to be spent over a three-year period for the program, and the University has matched the grant.

"In its first phase alone, which began in September 1984," says Sieverdes, "four colleges, 14 departments and 29 faculty members have participated in the program."

"The 'phases' are primarily funding phases," he says, "with the work of curriculum development and dialogue between and among disciplines the continuing purpose of the grant."



### Ring out the old

This paw-painted bell currently in Tillman Tower has been removed to make way for the first bells of a memorial carillon. The new bells will be dedicated June 8. The old bell, which was cast in 1906, will be stored for now and later will be permanently displayed somewhere on campus.



### Time on their hands

Workers for the Threatt-Michael Construction Co. of Greenville disassemble one of the old Tillman Hall clock faces to make an entry for equipment needed to install the first bells of a memorial carillon. The bells will be dedicated June 8. All faculty and staff members are invited to attend the 4 p.m. ceremony outside Tillman Auditorium. More photos are inside.

## Honors students to enjoy benefits from Inabinet gift

Kathryn Inabinet of Hopkins has established a \$20,000 endowment for the University's honors program, Calhoun College.

The endowment honors her late husband, B.C. Inabinet, a Clemson alumnus and a strong supporter of the University.

"The establishment of the honors endowment will make it possible for the honors students to do so many of the things we have dreamed about and hoped for over the past three years," says program director Jack Stevenson.

A portion of the gift is being used to create a bronze Clemson medallion for honors graduates. The first medallions were awarded to 21 honors graduates May 14 during a dinner at the Clemson House.

The remainder of the income from the endowment will fund cultural and enrichment opportunities for honors students.

Inabinet is chairman of the board of Defender Industries Inc. of Columbia and Defender Development Corp. of Myrtle Beach. She serves on the University's Board of Visitors and on the boards of the National Kidney Foundation and Rainbow for Hope.

Calhoun College, open to students with 3.4 cumulative GPRs and entering freshmen who have SAT scores of 1,200 and meet other requirements, offers exceptional students an opportunity to enrich their academic experiences by taking specially designed, advanced courses in a variety of disciplines.

The honors program was established in 1962. This year represents the largest number of honors graduates in the history of Calhoun College.

## High school drop-out becomes University's youngest graduate

Bored and unchallenged by what he saw as repetitive, meaningless classes and homework, Donald Rodgers, a slightly above average 16-year-old student, dropped out of high school at the end of his junior year.

But his story doesn't end like a typical dropout's.

On May 15 Rodgers became the youngest person ever to graduate from Clemson University.

And he finished with a perfect 4.0 GPR. In electrical engineering. In two years.

(Continued on page 3.)



### Bringing in the reinforcements

Preparing Tillman Tower to house its new bells requires reinforcing the structure with an interior scaffolding. Here a crane lifts steel for the scaffolding into the tower.



The Clemson University Newsletter is published for Pat Padgett, an administrative assistant in the College of Nursing, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
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### View from the top

Workers from the Threatt-Michael Construction Co. of Greenville have a bird's-eye view of the main entrance to the campus as they prepare to receive equipment and materials through the front clock face of Tillman Hall. The workers are helping to build an interior scaffolding in the tower to hold new bells that will be part of a memorial carillon.

(Continued from page 2.)

The 18-year-old son of John and Connie Rodgers of Clemson didn't let a little thing like the lack of a high school diploma stop him from pursuing his dream of becoming a consulting engineer.

Confident that he could do college-level work, he applied for admission to his hometown university, where his father is head of the agricultural education department.

"I was a little too young to move away from home, and Clemson has a good engineering program so it was the natural choice for me," Rodgers says.

"Even though I hadn't finished high school, I didn't have any problem enrolling."

His 1,300-plus score on the Scholastic Aptitude Test helped, along with the 24 hours of college credit he'd already earned by taking Advanced Placement tests in math, chemistry and physics.

By the time he was ready to enroll, Rodgers had successfully challenged more courses by examination, allowing him to enter as a full sophomore.

Carrying an average course load of more than 19 hours per semester and earning credit for courses by examination allowed him to earn his bachelor's degree in just two years.

The pace was quite a change from his years at Daniel High School, where he admits he put a half-hearted effort into many of his classes.

"In college, the emphasis seems to be on learning real material instead of just memorizing facts. To me, it was much more of a challenge because it seemed meaningful," he says.

Being younger than his classmates didn't isolate Rodgers socially. In fact, campus facilities gave him more chances to pursue hobbies such as tennis, racquetball and computer programming, which helped him meet people with similar interests.

Besides, he'll need to get used to being labeled "the kid" before fall rolls around. That's when, at age 18, he'll go directly into the Ph.D program at Georgia Tech with a \$10,000 President's Fellowship and a \$12,000 graduate assistantship.

Rodgers doesn't recommend his route to a bachelor's degree, especially the dropping out of high school part, to everyone. But he finds it appalling that some college students seem content to take the least challenging courses possible to graduate.

"I think if you don't do all you're capable of while you have the chance to go to college, you'll regret it later," he says.

## DEPARTMENTAL NOTES

Announcements of professional accomplishments of faculty and staff members appear in the last Newsletter of each month.

### ACCOUNTANCY

R.K. Doost (Asst Prof) published an article, "Public Versus Private Budgeting: a Comparative Study," in *Government Accountants Journal*, Fall 1984.

Prof. Doost presented "Search for Measuring the Prosperity and the Well-Being of a Region" in the International Studies Association-South, Raleigh, Nov. 14, 1984.

Prof. Doost published "Search for Measuring the Prosperity and the Well-Being of a Region" in *Business Insights*, Winter 1985.

Prof. Doost had a manuscript, "Distribution Cost Accounting and Control," accepted for publication in a future issue of *Management Accounting*.

Prof. Doost published "The Dynamics of Performance Evaluation by Multinational Corporations" in *Management Accounting*.

Prof. Doost published "A Moral Balance Sheet for Multinational Corporations" in the *Journal of International Accounting Education and Research*.

### AGRICULTURAL ECONOMICS & RURAL SOCIOLOGY

H.M. Harris Jr. (Prof) presented an invited discussion paper, "Role of the SAEA in Extension," at the Southern Agricultural Economics Association annual meetings in Biloxi, Miss., Feb. 4-6.

Prof. Harris testified about U.S. dairy policy alternatives before the U.S. House of Representatives Committee on Agriculture in Washington, D.C., March 20.

K.H. Kahl (Assoc Prof), R.D. Rutz (Chicago Board of Trade), and J. Singuefield (Dimensional Fund Advisors, Chicago) published an article, "The Economics of Performance Margins in Futures Markets," in *The Journal of Futures Markets*, 5(1):103-112, Spring 1985.

E.L. McLean (Prof) delivered a paper, "Techniques for Estimating the Population of Counties," co-authored by V.J. Alexander (Univ of Georgia) at the annual meeting of the Population Association of America in Boston, Mass., March 28.

B.H. Robinson (Prof & Hd) presented a paper, "Agriculture's Contribution to Economic Development in South Carolina," at the annual meeting of the S.C. Industrial Developers Association in Hilton Head, March 14.

Prof. Robinson also participated in a review of the research programs at the Edisto and Pee Dee Research and Education Centers on March 28-29.

### ARCHITECTURE

M.A. Davis (Assoc Prof) attended the "Conference on Greenhouses and Conservatories: Aspects of Thermal Behavior and Energy Efficiency" at The Geological Society, Burlington House, London, England, Feb. 28.

Prof. Davis was the visiting lecturer at The Architectural Association in the Energy Studies Program, The Graduate School, London, England, Feb. 21-March 21.

Prof. Davis attended the conference on "Rationalism and Empiricism" at The Architectural Association (AA) in London, Feb. 27.

Yuji Kishimoto (Assoc Prof) gave a lecture, "Urban Space for People," to the Columbia Council of Architects, Columbia, March 21.

### BIOLOGY PROGRAM

R.J. Kosinski (Asst Prof) has been awarded a three-and-one-half-year grant totalling \$184,000 from the National Science Foundation.

D.J. Stroup (Asst Prof) presented a paper, "Innovative Biology Laboratories Which Develop Critical Thinking Skills," at the Society of College Science Teachers' Association (SCST/NSTA) Drive-In Conference at West Virginia University in Morgantown, W.Va., April 13-14.

C.K. Wagner (Assoc Prof) will serve as co-investigator on the project "Courseware Development and Computer Workshops for High School Biology Teachers."

Prof. Wagner recently gave lectures and talks on "Non-poisonous Snakes of South Carolina" at Oakway Middle School (Oakway), La France Elementary School (La France), South Pine Elementary School (Walhalla), Morrison Elementary School (Clemson), Woodmont Middle School (Piedmont), Belton-Honea Path High School (Belton), McKissick Elementary School (Easley), Walhalla Middle School (Walhalla) and Central Elementary School (Central).

Prof. Wagner recently attended the annual meeting of the Southern Association of Advisors for the Health Professions in Durham, N.C., and was elected to a three-year term on the SAAHP's board of directors.

All faculty and staff members contributed to the success of the 6th Annual Biology Merit Exam, which attracted 1,385 students and their parents and teachers from 55 high schools and middle schools throughout the state.

### BUSINESS AND FINANCE

M.E. Barnette (VP) published an article, "Performance Appraisals: Managing Nonacademic Personnel," in the March 1985 issue of *NACUBO Business Officer*,

the newsmagazine of the National Association of College and University Business Officers.

### CHEMICAL ENGINEERING

W.P. Bell (Grad Stu) and D.D. Edie (Prof) presented a paper, "Radial Temperature and Residual Stress Distributions During Melt Spinning of Fibers," at the national meeting of the American Institute of Chemical Engineers in Houston, Texas, March 26.

Prof. Edie presented a seminar, "Melt Spun Non-circular Carbon Fibers from Mesophase Pitch," to the faculty and graduate students in the chemical engineering department at Texas A&M University in College Station, Texas, March 28.

Prof. Edie presented an invited seminar, "High Strength Fibers Produced Using Liquid Crystal Precursors," in the Kimberly-Clark Corp.'s "Horizon Lecture Series" at the Kimberly-Clark Technical Center in Roswell, Ga., March 22.

R.W. Rice (Asst Prof) presented a paper, "Fluidized Bed Filtration of Soot from Combustion of Diesel Fuel," at the International Symposium Workshop on Particulate and Multi-Phase Processes, in Miami, Fla., April 23. The paper will appear in the Proceedings.

Prof. Rice and Shun Fung (Exxon Research and Engineering Co.) were the authors of a recently issued U.S. patent, "Process Using Halogen/Oxygen for Reactivating Iridium and Selenium containing Catalysts."

### CHEMISTRY AND GEOLOGY

R.A. Abramovitch (Prof), D.A. Abramovitch (Former Grad Stu), and H. Benecke (Vstng Scientist) have published a paper, "The Side-Chain Acylation of Alicyclic Nitrones. A New Synthesis of an  $\alpha$ -Amino Acid," in *Heterocycles*, 1985, 25.

Prof. Abramovitch gave an invited seminar on "Enium Ion: Synthesis and Remote Functionalization" at the Smith Kline & French Pharmaceutical Co. in Philadelphia, Pa., March 15.

D.D. DesMariseau (Prof & Hd) presented an invited lecture, "Novel Fluorochemicals Derived from Strong Oxidizers," at the University of Tennessee in Knoxville April 10.

K. Dill (Assoc Prof) has been awarded a U.S. Army Summer Faculty Research Associateship to conduct research at the Letterman Army Institute of Research in San Francisco, Calif., during May and June.

J.W. Huffman (Prof) presented "Twenty-five Years of Synthetic Organic Chemistry" to the Coastal Empire Section of the American Chemical Society in Statesboro, Ga., April 16.

J.D. Petersen (Assoc Prof & Assoc Dean Sci) and R.R. Ruminski (Former Postdoc) published "Tris 2,2'-Bipyrimi-

dine Cobalt (III, II, I). A Cobalt Polyazine Electrochemical System with Large Storage Capabilities" in *Inorganica Chimica Acta*, 88 (1984) 63.

Prof. Petersen and R.R. Ruminski published "Tris(2,2'-Bipyrimidine) M (M=Fe(II), Co(II), Ni(II)) Perchlorate Complexes. Spectroscopic Properties for Precursor Complexes in the Preparation of Polymetallic Systems" in *Inorganica Chimica Acta*, 97 (1985) 129.

Prof. Petersen and H.W. Behlow Jr. (Former Grad Stu) published "Low Cost Elimination of Plasma Lines in Raman Spectra" in *Journal of Chemical Education*, 62 (1985) 163.

A.R. Pinder (Calhoun Prof) presented a seminar, "Some Recent Studies on Alkaloid Synthesis," at Lander College in Greenwood, April 3.

The following faculty members presented papers at the 34th annual meeting of the Southeastern Section of the Geological Society of America in Knoxville, Tenn., March 20-22:

-- D.S. Snipes (Prof), "Ground Water Exploration Problems in Igneous and Metamorphic Rocks at Caesar's Head Mountain, South Carolina."

-- J.R. Wagner (Asst Prof), "The Appalachians as a 'Type Locality' for the Paleozoic."

-- R.D. Warner (Asst Prof), "Magnetic Mineralogy of Dolerite Dikes."

#### ELECTRICAL AND COMPUTER ENGINEERING

The following papers were presented at the IEEE 17th Southeastern Symposium on System Theory in Auburn, Ala., March 24-26:

--"Application of Computers in Teaching at Clemson" by E.G. Baxa Jr. (Assoc Prof) with co-authors A.W. Bennett (Prof & Hd) and A.L. Duke (Prof).

--"On Application of the Discrete Fourier Transform--An Investigation into the Use of Processing Redundancy in the Estimate of the Power Spectra"

by Prof. Baxa with co-authors S.A. Stewart and B.A. Churchill Jr.

--"Comparison of Two Optimal Control Techniques in Aircraft Guidance" and "Attitude Control Stability in Spacecraft Utilizing Fixed Intensity Thrusters Versus Variable Intensity Thrusters" by J.E. Bennett (Assoc Prof) with co-authors J.E. Marine and J.A. Finley.

--"Control Scheme for Redundant Manipulators" by M.W. Walker (Asst Prof) with co-author R. Dubey.

--"Distribution Transformer Aging and Reliability" by M.A. Wortman (Asst Prof) with co-author J.S. Holeman.

--"A Two-Stage Statistical Model for Short-Term Load Forecasting" by Prof. Wortman with co-author M.J. Settlege.

--"A Mathematical Formulation for the Reliability of Power System State Estimators" by Prof. Wortman with co-author C.M. Askey.

--"Solving the Load Flow Equations Using Euclid's Equivalent System of Nested Polynomial Equations" by Prof. Wortman with co-authors M.R. Wells and P.M. Dearing.

--"A Modular Multiprocessor System for Real Time Application" by Y.F. Zheng (Vstg Asst Prof).

The following papers were presented at the IEEE Southeastcon '85 in Raleigh, N.C., March 31-April 3:

--"Development and Testing of a Computer Regulated, Hand Controlled, Quasi-Real Time, Vocal Prosthesis" by E.M. O'Brien (Asst Prof) with co-author M.S. Morse.

--"On-Off Cycles and Reliability for Bipolar Transistors" by L.T. Fitch (Prof).

--"Proposed Scheme for Robot Identification of Objects in a Zero-Gravity Environment" by J.N. Gowdy (Prof) with P.J. Robertson, co-author.

--"A System for the Acquisition and Analysis of EEG Signals Evoked by Audio Stimuli" by Prof. Gowdy and co-authors B.D. Brown and V.D. Larson.

--"Modified Square Root Method for Data Compression" by J.J. Komo (Assoc Prof) and S.M. Lam, co-author.

--"Accelerated Stress Testing of Amorphous Silicon Solar Cells" by J.W. Lathrop (Prof) with co-authors W.G. Stoddard (Grad Asst) and C.W. Davis (Grad Stu).

--"Accelerated Stress Testing of Amorphous Silicon Solar Cells" by W.G. Stoddard (Grad Asst), co-authored by Prof. Lathrop and C.W. Davis.

--"An Adaptive Control Scheme for Robotic Manipulators" by Prof. Zheng.

Prof. Lathrop presented a paper, "a:Si Cell Environmental Durability and Accelerated Stress Testing," at the JPL Research Forum on Reliability and Engineering of Thin-Film Photovoltaic Modules in Washington, D.C., March 19-21.

Prof. Lathrop presented a paper, "Ac-

celerated Stress Testing of Amorphous Silicon Solar Cells," while attending the Sixth European Solar Energy Conference in London, England, April 12-20.

R.W. Snelsire (Assoc Prof) spoke about "Programming a Computer" during the Electronics in Textiles conference in Clemson, March 26-27.

J.Y.S. Luh (McQueen Quattlebaum Prof) presented a paper, "Industrial Robots with Seven Joints," at the IEEE Conference on Robotics and Automation in St. Louis, Mo., March 22-28.

Also at this conference, Prof. Zheng presented "A Multiprocessor for Dynamic Control of Multilink System."

#### ELEMENTARY AND SECONDARY EDUCATION

R.P. Green Jr. (Assoc Prof) published *The Human Experience, A World History: Teacher's Resource Book* with Mounir Farah (Charles E. Merrill, 1985).

W.W. Pennscott (Prof) conducted a workshop on group techniques for the Protective Services Workers of the Oconee County Department of Social Services.

#### ENGLISH

R.J. Calhoun (Alumni Prof) read "The Southern Literary Renaissance and Beyond" for the symposium "The South for Non-Southerners" at Wofford College in Spartanburg April 17.

Prof. Calhoun chaired the session on Carolina Writers at the ninth annual meeting of the Philological Association of the Carolinas at Wake Forest University in Winston-Salem, N.C., March 15.

Prof. Calhoun is the author of "Randall Jarrell: A Seventieth Birthday Tribute" in the *South Carolina Review*, Fall 1984.

J.L. Idol (Prof) reviewed K. Snipes's *Robert Penn Warren for Studies in Short Fiction*, 21, No. 4 (1984), 422-3, and published an article, "Easley's Bill Folger: Thomas Wolfe's Football Star," in *Pembroke Magazine* 17 (1985), 79-81.

R.B. Rollin (Lemon Prof) and Provost W.D. Maxwell spoke at a discussion of faculty-administration relations in university governance sponsored by the South Carolina Conference of the American Association of University Professors at Lander College in Greenwood, March 30.

Prof. Rollin gave a talk, "My Shakespeare, Your Shakespeare," at Wingate College's Shakespeare Recitation Contest, April 2. He was also a judge in the contest.

Prof. Rollin read a paper, "Popular Culture Metatheory," at the annual meeting of the Popular Culture Association, Louisville, Ky., April 4.

J.P. Zanes (Asst Prof) published four poems in *The Fiddlehead* (August 1985):

(Continued on page 6.)

## International panel includes CU prof

Mike Bridgewood, an assistant professor of electrical engineering here, has been appointed to the Educational Liaison Committee of the international Electric-Overstress Electric Static Discharge Association.

The rapidly growing society, both in numbers and significance, promotes awareness and research of electrostatic discharge, a major problem in the semi-conductor industry.

Bridgewood, chosen from more than 2,000 members, will be in charge of introducing local students and faculty to the problem of electrostatic discharge and to the EOS/ESD organization.

(Continued from page 5.)

"The Dowager Empress T'su Hsi (now called Ci Xi) d. 1908," "Fertilization," "Saudi Arabian Censorship 1402 A.H./1981 A.D.," and "Oasis."

#### FINANCE

R.B. McElreath (Assoc Prof) and B.P. Woodside (Assoc Prof) had a paper, "An Examination of the Effects of Size on Credit Union Interest Rates," presented at the 1985 Southwestern Finance Association meeting in New Orleans, La., in March.

#### ARA FOOD SERVICES

D. DeFratus (Dir) April 9 received the University Union Governing Board's first Walter T. Cox Award.

#### FORESTRY

G.G. Haenle (Former Grad Asst) and S.M. Jones (Res For) published "Geographical Distribution of *Quercus oglethorpensis*" in *Castanea* 50(1):26-31.

R.A. Harris (Assoc Prof) and M.A. Taras (Prof & Hd) published "A Summary of Research Findings in Radio-Frequency/Vacuum Drying of Wood" in *The Proceedings of the North American Wood Drying Symposium*, pp. 201-211, Miss. State Univ., Nov. 1984.

Prof. Harris presented a paper, "Moisture Content Distribution in Lumber Dried by a Radio-Frequency/Vacuum Process" at the Forest Products Research Society technical exchange meeting in Greensboro, N.C., in March.

Prof. Harris published "Fuel Values of Stems and Branches in Post Oak and Red Maple" in *Forest Product Journal* 35(4):43-44.

The following participated in the annual meeting of the Forest Resources Systems Institute in Louisville, Ky., in April:

-- D.L. Ham (Assoc Prof) and M.S. Marshall (Comp Prog) presented "Pest Management Information Center: A Three-Part Computerized Delivery System."

-- S.K. Nodine (Instr) moderated two technical sessions and was elected chairman of the State and Extension Forestry Technical Committee.

A.W.C. Lee (Asst Prof) and M.A. Taras (Prof & Hd) published "Strength and Related Properties of Oglethorpe Oak" in *Forest Products Journal* 35(2):50-52.

F.H. Tainter (Prof) and B.M. Cool (Prof) published "This Was Forestry in America-The Biltmore Forest School 1898-1913" as a pamphlet to be distributed by the Visitors Center at the Cradle of Forestry in the Pisgah National Forest near Brevard, N.C.

G.W. Wood (Prof), L.J. Niles (Former Grad Asst), R.M. Hendrick (Former Grad Asst), J.R. Davis (Grad Asst) and

T.C. Grimes (Former Grad Asst) published "Compatibility of Even-Aged Timber Management and Red-Cockaded Woodpecker Conservation" in the *Wildlife Society Bulletin* 13:15-17.

Prof. Wood, M.K. Causey (Auburn Univ.) and R.M. Whiting Jr. (Stephen F. Austin State Univ.) presented the paper "Perspectives on American Woodcock in the Southern United States" at the *North American Wildlife and Natural Resources Conference in Washington, D.C., March 19.*

R. Zahner (Prof), R.K. Myers (Research Forester) and C.J. Hutto (Former Grad Asst) published "Crop Tree Quality in Young Piedmont Oak Stands of Sprout Origin" in *Southern Journal of Applied Forestry*, 9:15-20.

#### HISTORY

J.L. Arbena (Prof) presented "Continuity and Change in the Argentine Tango: On the Fiftieth Anniversary of the Death of Carlos Gardel" during the annual meeting of the South Eastern Council of Latin American Studies at Rollins College March 28-30. Prof. Arbena is in charge of local arrangements for the 1986 meeting of SECOLAS here next April.

E.D. Carney (Asst Prof) published a review of Helmuth Bodefelds' *Untersuchen zur Datierung der Alexander geschichte des Q. Curtius* in *Classical World* 78,3 (1985).

E.C. Cass (Vstg Asst Prof) presented "Water Resources Technology and the Missouri Valley 1880-1940" at the 17th Annual South Dakota History Conference in Madison, S.D.

R.M. Golden (Prof) reviewed Philip T. Hoffman, *Church and Community in the Diocese of Lyon, 1500-1789*, in *History: Reviews of New Books* (November/December 1984).

E.E. Moise (Assoc Prof) reviewed *Land-to-the-Tiller in the Mekong Delta* by Charles S. Callison, University Press of America, 1983, in *Pacific Affairs*, 57, No. 4, 730-731 (Winter 1984-85).

Prof. Moise published "Recent Accounts of the Vietnam War" in *Journal of Asian Studies*, 44, No. 2, 343-348 (February 1985).

J.R. Wunder (Prof & Hd) published "Justices of the Peace on the American Frontier, 1787-1853" and reviewed *Becoming Americans: Asian Sojourners, Immigrants, and Refugees in the Western United States* by Tricia Knoll in *Journal of the West* XXIV (January 1985):81.

#### HONORS PROGRAM, CALHOUN COLLEGE

J.L. Stevenson (Dir Honors, Prof PRTM) presented an invited workshop on "Leisure Planning in the Future of the Gifted and Talented" at the Southern Regional Honors Council in Jack-

son, Miss., March 22.

Prof. Stevenson spoke on "The Challenge to Excellence" as the featured speaker at the Honors Initiation Ceremony for Phi Theta Kappa at Tri-County Technical College April 2.

#### INDUSTRIAL ENGINEERING

R.P. Davis (Prof & Hd) and W.J. Kennedy (Prof) presented a paper, "Manufacturing Control Systems," at the Administrative Applications Division National Conference of ASOQ in Williamsburg, Va., March 22.

Prof. Davis presented "Manufacturing Systems Planning-An Industrial Engineering Challenge" at the Region III Conference of the Institute of Industrial Engineers in Charlotte, N.C., April 19.

J. Haddock (Asst Prof) presented a paper, "Simulation Generators for Production Planning and Control" before the Sand Hills Senior Chapter of the Institute of Industrial Engineers in Florence, S.C., April 9.

Prof. Haddock published "Energy Planning for Puerto Rico: A Systems Modeling Approach" in *IIE Transactions*, Vol. 17, No. 1, March 1985.

Prof. Haddock was elected secretary-treasurer; E.H. Bishop (Assoc Dean), vice-president; and L.G. Lewis (Engr-Piedmont Group, Greenville), president of the newly chartered Piedmont Tau Beta Pi Alumns Chapter April 3.

C.R. Lindenmeyer (Prof) presented a paper, "Development of an Identification Methodology for High Risk Textile Operations Leading to Carpal Tunnel Syndrome," co-authored with J.A. Blessing (Grad Asst) and R.K. Gerwig (Undergrad Asst), to the 67th Semi-Annual National Conference of the Association of Textile Industrial Engineers in Atlanta, Ga., March 15.

Prof. Lindenmeyer presented "Carpal Tunnel Syndrome: Cause, Prevention, and a Research Methodology" to plant executives and supervisors at the Homelite Co. in Greer March 20 and at the Wilson Sporting Goods Co. in Fountain Inn April 10. Honoraria of \$400 were donated to the College of Engineering.

Prof. Lindenmeyer presented "The Ideal Computerized Work Measurement System" to the Greenville-Spartanburg chapter of the Institute of Industrial Engineers in Greenville April 18.

Prof. Lindenmeyer received a gift/grant of Statistical Quality Control Instructional Media valued at \$4,000 from Quality Associates of Clemson Inc. The instructional media consist of 12 video tape recordings that will be used for statistical process control self-instruction in the College of Engineering's Learning Center.

G.G. Lovedahl (Assoc Prof) and D.G. Tesolowski (Assoc Prof) presented "Designing Training Materials" at the

semi-annual meeting of the Carolinas Society for Training and Development in Greenville March 20-22.

#### LANGUAGES

P.R. Heusinkveld (Asst Prof, Spanish & French) published "Juan Jose Arreola: Allegorist in an Age of Uncertainty" in *Chasqui: Revista de Literatura Latinoamericana*, Volume XIII, No. 2, 3 (Feb, May 1985), pp. 33-42.

Prof. Heusinkveld presented an invited workshop, "Motivational Techniques in the Conversation Classroom," and an invited lecture, "Cross Cultural Sensitivity Training in the Foreign Language Classroom," at Guilford College in Greensboro, N.C., Nov. 29.

Prof. Heusinkveld presented a paper, "Television: A New Medium for Mexican Intellectuals?" at the Southwest Conference for Latin American Studies at Rollins College in Florida in March 29.

M.M. Sinka (Assoc Prof, German) published "Disturbing the Student's Universe: Teaching Procedures for

## Society selects energy paper as 'outstanding'

A research paper on thermal energy storage by a mechanical engineer here was selected as the most outstanding paper in the Southeastern section by the American Society for Engineering Education.

The research project was a joint effort by Clemson's Donald Beasley and University of Michigan Prof. John A. Clark.

Presented at the 1985 ASEE Southeastern section meeting at the University of South Carolina, the paper was sponsored by the International Harvesters Dissertation Fellowship and was published in the "International Journal of Heat/Mass Transfer."

Beasley's research aimed to improve the design and performance of thermal energy storage systems for application in solar energy. The work could also help reduce utility costs.

The paper was selected from 12 entries submitted by researchers at the following universities: Mississippi State, Vanderbilt, Kentucky, Miami, Alabama, North Carolina State, Florida, Old Dominion and Virginia Polytechnic Institute.

Beasley, who has taught here for the past two years, is a member of the Thermal Fluid Science Research Laboratory. He earned his bachelor's and master's degrees here and his doctorate from the University of Michigan.

*Klischeetheater, Typisch Deutsch*" in *Newsletter on Education*, No. 22, IX (April 1985).

Prof. Sinka presented "Teaching Literature in Intermediate German Courses" at the Goethe Institute Workshop in Atlanta, Ga., March 30.

Prof. Sinka held a two-day workshop on "Communicative Strategies for beginning and advanced German Courses" for the N.C. Association of German Teachers at Duke University in Durham, N.C., April 19-20.

P.A. Wannamaker (Assoc Prof, German) read a paper, "Gaining On-Campus Support for a Program in Applied Languages and International Internships," for the Association of Departments of Foreign Languages and a recent Modern Language Association convention in Washington, D.C.

Prof. Wannamaker has been nominated by the Council for International Exchange of Scholars for a Fulbright summer 1985 Deutsche Landeskunde seminar in the Federal Republic of Germany.

Prof. Wannamaker read a paper, "Liberal Arts Rapport with the Business Community Through Interdisciplinary Trade Conferences," at the Fourth Annual EMU Conference on Languages for Business and The Professions in Dearborn, Mich., May 2-4.

#### MANAGEMENT

W.H. Hendrix (Assoc Prof) and R.S. Cantrell (Asst Prof) had a paper, "Effect of Social Support in the Stress-Burnout Relationship," accepted for presentation at the 93rd National American Psychological Association Convention in August.

R.L. LaForge (Prof) and J.W. Patterson (Assoc Prof) published "Adjusting the Part-Period Algorithm for Purchase Quantity Discounts" in *Production and Inventory Management*, Vol. 26, No. 1, 1st Quarter 1985, pp. 138-150.

T.W. Zimmerer (Prof) published an article, "Strategic Initiatives," in the *Textile Marketing and Technology*, Vol. 3, No. 2.

#### MATHEMATICAL SCIENCES

J.V. Brawley (Alumni Prof) March 22 gave several lectures at Savannah Country Day School in Georgia as part of the Visiting Professor Program.

Prof. Brawley spoke on "An Excursion into Applied Mathematics" at Lander College in Greenwood March 26.

W.R. Hare (Prof), R.C. Laskar (Prof), and K. Peters (Grad Stu) published a paper, "Max-Min Parameters and Disconnected Colorings," in *Congressus Numerantium*, Vol. 44, pp. 139-150, Dec. 1984.

J.W. Kenelly (Prof) gave the keynote luncheon address, "Educational Reform,"

at the annual meeting of the New Mexico Association of Secondary School Principals and the New Mexico Coordinating Council of High Schools and Colleges in Albuquerque, N.M., March 28.

Prof. Kenelly presented "Some Curriculum Implications of the New College Board Recommendations in Mathematics" at a meeting of the South Carolina Council of Supervisors of Mathematics in Columbia March 21.

Prof. Kenelly chaired the spring meeting of the Mathematical Association of America Committee on Placement Examinations in Washington, D.C., March 22-23.

Prof. Kenelly was elected to a three-year term on the Mathematical Association of America's board of governors in March, marking the third time in three years that Prof. Kenelly has been elected to a key office in the association.

Prof. Kenelly presented "Achieving the Outcome of 'EQ's' Academia Preparation for College" at the 63rd annual meeting of the National Council of Teachers of Mathematics in San Antonio, Texas, April 17.

Prof. Kenelly spoke on "Mathematics Studies the Subtle Simple Things" to the Pendleton High School Mu Alpha Theta Mathematics Club April 23.

Prof. Laskar, S.T. Hedetniemi (Prof, Comp Sci) and J. Pfaff (Former Grad Stu) published a paper, "Linear Algorithms for Independent Domination and Total Domination," in *Congressus Numerantium*, Vol. 45, pp. 71-82, Dec. 1984.

Prof. Laskar and A.P. Sprague (Ohio State Univ.) published a paper, "A Characterization of Partial Geometric Lattices of Rank 4," in *Enumeration and Design*, 1984, Academia Press Canada, 215-234.

J.R. Nedelman (Asst Prof) published a paper, "Some New Thoughts About Some Old Malaria Models," in *Mathematical Biosciences*, April 1985.

R. Padua (Grad Stu) gave a talk on "Robust Estimation of Regression Coefficients" at the annual meeting of the S.C. Chapter of the American Statistical Association in Columbia March 29.

R.D. Ringeisen (Prof) and L.M. Orton (Former Grad Stu) published a paper, "The Amida Number of a Graph," in *Congressus Numerantium*, Vol. 44, 315-320, December 1984.

D.R. Shier (Prof) and K.D. Lawrence (AT&T Communications) published a paper, "A Comparison of Robust Regression Techniques for the Estimation of Weibull Parameters," in *Communications in Statistics: Simulation and Computation*, Vol. 13, No. 6, pp. 743-750.

Prof. Shier presented a paper, "Exact

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and Approximate Dependent Failure Reliability Models for Telecommunication Networks," co-authored with J.D. Spragins (ECE), at the IEEE INFOCOM Conference in Washington, D.C.

Prof. Shier also chaired a panel at that conference on "Reliability of Telecommunications Networks."

The following participated in the 64th annual meeting of the Southeastern Section of the Mathematical Association of America at Wake Forest University in Winston-Salem, N.C., April 12-13:

-- Prof. Kenelly spoke on "Geometry-A Lot's New and A Lot's Renewed."

-- S.M. Lukawecki (Prof) talked on the "Annual High School Mathematics Examination for the State of South Carolina," which he coordinated. Eighty-five high schools and approximately 4,300 students participated. He was also a member of the nominating committee for the selection of officers.

-- T.G. Proctor (Prof) gave a paper, "Report on Usage of MAA Multi-media Applied Mathematics (TEAM)."

#### MECHANICAL ENGINEERING

D.E. Beasley (Asst Prof) and J.A. Clark (Univ of Mich) had a paper, "Transient Response of a Packed Bed for Thermal Energy Storage," published in the *International Journal of Heat/Mass Transfer*, Vol. 27, No. 9, 1659-1669, 1984.

T. Yang (Prof), F. Ntone (Grad Stu), T. Jiang (Former Vstg Scholar), and D.R. Pitts (Prof & Hd, Univ of Tenn, Knoxville) published a paper, "An Investigator of High Performance, Short Thrust Augmentation Ejectors" in the *Journal of Fluids Engineering*, March.

#### NEWS SERVICES

D.J. Crockett (Radio-TV Ed) participated in a one-month tour of the south coast of France as part of a six-member group study exchange team funded by Rotary International. The group studied the culture, economics and history of the region, met with numerous civic and business leaders, and is preparing a detailed report for Rotary Interna-

tional.

#### NURSING

E.M. Baines (Assoc Prof) presented a talk on Alzheimer's Disease to the National Association of Retired Federal Employees at the Clemson House April 10.

M.A. Reichenbach (Asst Prof) was named a "University Scholar" by the University of Pittsburgh. She was recognized at the University Honors Convocation March 11 as one who has done "superior work in a graduate program" and who exhibits promise as a scholar.

#### PHYSICAL PLANT

E. Barker (Envir Sys Op II) has received "A" certification by the state as a water treatment plant operator; this is the highest level of certification possible.

#### PHYSICS AND ASTRONOMY

M.F. Larsen (Asst Prof) traveled to Greenland in March to participate in a sounding rocket experiment as a principal investigator. The experiment was a joint effort among Clemson, Cornell University and the Danish Meteorological Institute to measure winds in the auroral ionosphere.

#### POLITICAL SCIENCE

C.W. Dunn (Prof & Hd) was an invited lecturer at the 16th annual meeting of the Center for the Study of the Presidency on "Issue Priorities and Strategies" in Washington, D.C., April 11-14.

Prof. Dunn has been invited to join the Editorial Board of the *Presidential Studies Quarterly*.

M.A. Morris (Assoc Prof) presented a paper, "Southern Cone EEZ Practice," at the International Studies Association meeting in Washington, D.C., March 5-9.

Prof. Morris delivered lectures at the Woods Hole Oceanographic Institution Jan. 9 and 11 and Feb. 5.

M.W. Slann (Prof) presented a paper, "Solzhenitsyn and Tolstoy: Orthodox Christianity and Holy Russia," at the New College, USF Conference on East-

ern Europe in the Nineteenth and Twentieth Centuries," March 28-30.

Prof. Slann chaired a panel, "Ethnic Minorities and Political Tolerance in the Middle East," at the Midwest Political Science Association annual meeting April 18-20.

#### SOCIOLOGY

C. McKelvey (Asst Prof) was a discussant at a session on "Humanist Sociology in the Service of Social Change" in the Southern Sociological Society annual meeting in Charlotte, N.C., April 10-13.

J.W. Ryan (Asst Prof) has been appointed a visiting assistant professor in the sociology department at Vanderbilt University for the second summer session, July-Aug.

Prof. Ryan chaired a session, "Mass Media and Popular Culture," and read a paper, "Selective vs. Passive Television Viewing," at the Southern Sociological Society annual meetings in Charlotte, N.C., April 10-13.

B.J. Vandermeij (Asst Prof) presented a speech, sponsored by the Spartanburg Community Mental Health Association, to the Spartanburg community on issues and dilemmas faced by families with aging parents.

Prof. Vandermeij co-chaired a panel on "Sexual Abuse of Children" at the Southern Sociological Society annual meeting in Charlotte, N.C., April 10-13.

#### UNIVERSITY UNION

W. Mandicott (Asst Dir for Prog & Serv) presented a session, "Travel Programming and Establishing a Collegiate Travel Center," at the National Association for Campus Activities National Convention, in Chicago, Ill., Feb. 19-23.

Mr. Mandicott has been nominated to the National Association for Campus Activities' board of directors. This association is the professional organization for campus activities/college union leaders and professional staff.

B.E. Trent (Union Dir) and Mr. Mandicott recently conducted a two-day seminar on "Leadership Training and Facilities Management for College Unions," at Presbyterian College in Clinton.

## Telephone-ease



A guide to basic features and terminology of the new telephone system to be installed in July.

**Call Hold** -- Allows a telephone user to put a call on hold from a single-line set by dialing a code.

**Call Pickup** -- Allows a telephone user to answer any ringing phone within the assigned office group by dialing a code.

**Call Waiting** -- While on the phone, a user receives a tone signaling a second incoming call and may alternate between the two calls. A telephone may have either Call Forward Busy or Call Waiting, but not both.

**Consultation Hold** -- Allows a telephone user to place a call on hold while making a second call.

**Speed Calling** -- Allows a telephone user to access a 10-number list of frequently called numbers by dialing an asterisk (\*) plus one or two digits.

**Station Call Park** -- Allows telephone user to place a call on hold, go to any other telephone, and retrieve the call by dialing a code.

**Ring Again** -- Allows a telephone user calling a busy station to be notified when the busy station becomes idle.





# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications master calendar for possible scheduling conflicts.*

## June 1-7

### CONFERENCES, SEMINARS AND WORKSHOPS

- 1 Workshop: "NCLEX Review (Seniors)." Sponsored by Continuing Nursing Education. Cost is \$145. Call 656-3078 for more information.
- 1 Workshop: "Psychiatric/Mental Health Nursing." Sponsored by Continuing Nursing Education. 9 a.m.-4:30 p.m., McAdams Hall Auditorium. Call 656-3078 for more information.
- 3-5 Conference: "Strategic Planning for Energy Usage." Sponsored by Continuing Engineering Education. Senate Chambers. Call 656-3308 for more information.
- 6 Workshop: "Wellness in the Workplace." Sponsored by Continuing Nursing Education. Cost is \$120. Call 656-3078 for more information.

### OTHER EVENTS

- 7 Meeting: Linkup, an organization for users and potential users of computer. 2 p.m., P&AS Auditorium. The second of three meetings in which faculty members speak on their use of computers for teaching, research and administrative purposes. Call Carol Boyer at 656-3102 for more information.
- 7-9 Alumni Reunion Weekend: Sponsored by Clemson Alumni Association. Call 656-2345 for more information.
- Continuous "Pre-natal fitness." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.

## June

M	T	W	T	F	S
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3	4	5	6	7	8
10	11	12	13	14	15
17	18	19	20	21	22
24	25	26	27	28	29

# Events



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JUN 5 1985

# Newsletter

June 5, 1985  
Vol 24 No 37

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Tillman's new bells will make ringing debut this Saturday

After wrestling in the early morning humidity with more than 5,400 pounds of six, shining, bronze bells, Sam Dillard paused to wipe his brow and stare up the north face of Tillman Tower.

There, inside the gaping hole that used to be a clock face, hung the bell that had kept the campus in step with time since 1906.

That bell would have to come out before the new bells could go in.

Dillard, the Physical Plant's work-order supervisor, was helping do the yeoman labor required to get ready for installing what eventually will be a 47-bell carillon in Tillman Tower.

The first bells are the gift of 1930 alumnus Rembert Gregory Horton and members of his family.

The bells will be dedicated in a 2 p.m. ceremony this Saturday, June 8, on the steps in front of Tillman Audi-

torium. All faculty and staff members are invited to attend.

Manufactured by Paccard Fonderie de Cloches, Annency-le-Vieux, France, the bells were shipped to the port of Charleston. Then they were trucked here, where they arrived May 14 and were unloaded to bide their time until they were hoisted into the tower.

On May 16, to make room for the new bells, the old bell was removed, with workmen giving it a number of nostalgic farewell bongos as it was lowered to a truck and carried away for storage.

Eventually the old bell will be displayed prominently and permanently somewhere on campus, says Jeff McNeill, assistant vice president for development and fund-raising coordinator for the carillon project.

In addition to striking the hour, the

new bells also can sound the Westminster Chimes and various "peals" -- particular patterns of ringing -- including a swinging peal, a toll, and a victory peal for special occasions, such as commencement.

The bell system can be played either electronically or by means of a traditional keyboard, located under the bell chamber.

As part of the total installation, the entire clock mechanism is being upgraded, with new hands and faces.

A special interior scaffolding was built in the tower to bear the stress of the additional 42,000 pounds when all the bells are in place and to form a frame on which to hang the bells.

The tower was thoroughly checked by consulting engineer Richard Kapp of Professional Engineering Associates Inc., of Greenville.

"The recent renovation of Tillman Hall was a big help to us," says Patricia Finley, estimator/designer for the Physical Plant Division, "because that required a great deal of structural information about the building that we've been able to apply to this job."

Installation of the bells has been under the direction of Harmannus H. van Bergen and Raymond H. Crum of van Bergen Bellfoundaries Inc., who have installed similar systems at many other campuses and churches in the United States and abroad.

Threatt-Michael Construction Co. of Greenville was the local contractor.

The June 8 ceremony will mark the successful completion of the first stage of the effort to get an entire carillon for Tillman. During the ceremony, van Bergen will ring the victory peal to signal the drive to complete the set of 47 bells.

The University Development Office is coordinating plans to promote the sale of the remaining bells for recognition purposes, class projects and memorials.

"Five other bells," says Development's McNeill, "have already been purchased by alumni."

Like the first six bells, all of the others will be manufactured by Paccard Fonderie de Cloches, Annency-le-Vieux, France, says McNeill, to ensure consistency in quality of sound, manufacture and installation.



After almost 80 years of timely service atop Tillman, the old bell is lowered from the tower.



Bob Sanders, left, and Sam Dillard of the Physical Plant unload one of the new bells for Tillman Tower.

# Faculty, staff leaders recap year; President Atchley says farewell

(Editor's Note: The following is a report on speeches made at the May 14 faculty-staff meeting and on President Bill Atchley's May 15 commencement address. For a report on other activities that took place at the meeting and during commencement see the front page of the May 15 Newsletter.)

Outside Tillman Auditorium, workers unloaded six, shiny, new bells that soon will chime from the clock tower above and prepared to remove the existing, time-worn bell from its lofty perch.

Meanwhile, inside the auditorium, the 1984-85 academic term was drawing to a close, as leaders of the faculty and staff recapped the successes of the year and expressed hope and optimism for the future.

It was the traditional, spring meeting of the faculty and staff, but it was different this year -- because of a first and a last.

The May 14 gathering was the first faculty-staff meeting addressed by the chairman of the Commission on Classified Staff Affairs, the group set up last year to increase staff participation and communication in University matters.

And the session was President Bill Atchley's last faculty-staff meeting as the University's chief executive officer. His resignation takes effect July 1.

## Faculty Senate report

In his address at the meeting, 1984-85 Faculty Senate President David Senn said the Senate had been "an active and hard-working body during the past several months." He cited the following activities and pieces of legislation as recent highlights:

- Revision of the University policy on political activity by employees to make the policy less restrictive.
- Revision of the Faculty Manual section on the composition of peer-review committees to exclude academic administrators from such committees.
- Revision of the Faculty Manual section on the composition of search-and-screening committees to clarify the status of student representatives on such committees.
- Revision of the honorary degree policy to broaden the process by which honorary degree recipients are selected.
- Improvements to faculty evaluation procedures and forms.
- Suggestion that the biennial Faculty Publications List be discontinued.
- Request for "significantly increased support for research-related activities."
- Work on improving academic advis-

ing procedures.

- Study of admissions-related issues.
- Study of fringe-benefits programs and issues.
- Successful effort to reconcile -- to the advantage of state employees -- billing problems related to clinical pathology work done at area hospitals.
- Request for office space and increased secretarial support for the Senate and for one-quarter release time during the spring semester for the Senate's vice president/president-elect.
- Study of tenure-related issues.
- Action on three grievance petitions.
- Start of plans for celebrating the Senate's 30th anniversary.
- Adoption of resolutions expressing concerns "regarding (1) the leadership of the athletic department, particularly as that department's activities reflect on the academic programs of the University, (2) the preeminence of academic programs in the total mission of this university, and (3) the administrative structure of the University, particularly regarding the leadership provided by the President and the Board of Trustees."
- Successful request for a meeting (scheduled for June 28) between faculty leaders and University Trustees.
- Appointment of a committee to consider ways to improve communications between the faculty and the Trustees.

Senn concluded his report with expressions of thanks to President Atchley, Provost David Maxwell, other administrators, and the members of the Senate.

"I wish to end this report," Senn said, "with the same assertion I made at the faculty-staff meeting in December -- this time with even stronger conviction: The Faculty Senate is truly the voice of the faculty, the forum for faculty concerns, and the conscience of this university community."

## Staff commission report

Jane Kidd, who chairs the Commis-

sion on Classified Staff Affairs, began her report with words of thanks to President Atchley, Provost Maxwell and the faculty "for helping to make this a true faculty-staff meeting."

She said the University's more than 2,200 classified staff members constitute about 61 percent of the Clemson work force, and she said she hopes "more and more staff members will view these meetings as their opportunity to hear about the state of the University and about the activities of the faculty and staff."

Kidd said commission members devoted much of their effort this year to creating "an organization that would earn the respect and credibility the classified staff employees of this university deserve."

These are the highlights she mentioned:

- Establishment of a communications link with the classified staff by renting a campus post office box (2121) so that staff members can write to the commission directly.
- Receipt, acknowledgement and assignment to committee of 24 letters from staff members.
- Design and distribution of a form for staff members to use in reporting their professional accomplishments to the University Newsletter for publication.
- Development of a monthly, question-and-answer column in the University Newsletter.
- Recommendation to the President's Council that a study group be appointed to investigate the need, feasibility and desirability of a University child-care program.
- Clarification of University policies defining "outside" (non-University) work by employees.

"I believe the commission has had a good first year," Kidd said, "and has built a foundation that will allow it to become the active viable group it was meant to be."

## President Atchley's remarks

President Atchley used his final address to the faculty and staff to pay tribute to the people with whom he's



The Clemson University Newsletter is published for campus Postmaster Charlie Brown and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

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Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeve

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

worked here and to mention briefly the highlights of his six-year presidency.

He mentioned by name each of the seven most recent Faculty Senate presidents and used their terms of service as a road map through the years.

He said he was interviewed for the presidency here by 1978-79 Senate President Bill Steirer, who, Atchley said, asked some of the toughest questions during the interview process.

Atchley credited 1979-80 Senate President Horace Fleming with helping develop the University's internal communications program and with helping the Atchleys "get oriented to Clemson University and to South Carolina."

1980-81, when Stassen Thompson was Senate president, was the year "I became a millionaire -- for a few minutes," Atchley said. "That was the year Clemson got its first million-dollar gift -- to endow the Abney Chair -- and I got to hold the check for a few minutes."

That was also the year, he said, when we began to bring some organizational sense to the jumble of committees, councils and commissions here" by setting up the President's Council.

"In Steve Melsheimer's year [1981-2] as Faculty Senate president," Atchley said, "we began the tough problem of re-writing the Faculty Manual." He said the result "is one of the best Faculty Manuals of any university anywhere. It has been used as a model for other universities."

The manual, said Atchley, "has served as a solid foundation for improving faculty governance, spelling out grievance procedures, and providing faculty input on tenure and promotion committees and on search committees."

Atchley said Clarence Hood had the dubious honor" of being Senate president during 1982-83, during which faculty and staff salaries were reduced by 2 percent because of a mid-year, state budget cut and the football program was placed on NCAA probation.

"Throughout these troubling times," Atchley said, "Clarence was a quiet, effective leader and spokesman for faculty concerns."

Choosing a site for the Strom Thurmond Institute, setting new academic standards and developing the Commission on Classified Staff Affairs were highlights of 1983-84, Holley Ulbrich's year as Senate president, Atchley said. He then thanked David Senn for his service as Senate president during 1984-85 and joked that "David and I probably hold some sort of record for sitting in the hall during executive sessions."

Summing up his tenure, Atchley said: "Everything we've done has been in the direction of more faculty and staff involvement in University governance,

in more open communications, in more openness in decision-making.

"I like to think we've opened the windows on some pretty stuffy attics -- and let in some light and fresh air.

"But I could never have done it alone. It has been a true partnership, with faculty and administration working together to solve common problems in the best interest of Clemson University."

The president expressed optimism about the University's future and confidence in the faculty and its leadership.

He concluded by saying: "My presidency is but another chapter in [the University's] evolutionary process.

"And when the Bill Atchley chapter is written, I hope to be remembered by the words of two of my fellow Missourians.

"You may recall what Huckleberry Finn said about his creator, Mark Twain: 'He told the truth, mainly. There was things which he stretched, but mainly he told the truth.'

"I also like old Harry Truman's favorite epitaph. He saw it on a marker in Boot Hill Cemetery: 'Here lies Jack Williams; he done his damndest.'"

The president received a standing ovation at the end of his address.

#### **Atchley challenges graduates to use education 'to triumph'**

Speaking the next day, May 15, at commencement, President Atchley exhorted members of the largest graduating class in Clemson's history to use their education "not just to survive, but to triumph" when they face challenges and tough decisions in the years ahead.

(A total of 1,491 degrees were awarded this semester: 1,270 bachelor's, 207 master's, 12 doctorates, and two education specialist.)

Atchley used the stories of Adm. James Stockdale, who spent eight years as a prisoner of war in Vietnam, and former track star Wilma Rudolph, who overcame polio and other illnesses to become an Olympic gold medalist, to show "the triumph of will, the triumph of the human spirit, over circumstances of birth and circumstances of life."

Atchley said he and Stockdale got to know each other when Stockdale visited Clemson as president of The Citadel and later was Atchley's host for a visit to the Charleston military school.

Atchley said he met Rudolph when she was on campus in 1981 for the University's Sport and Society Conference.

Contrasting the backgrounds of Stockdale and Rudolph, Atchley said the former had "a solid, middle-class upbringing, good schools, the best education this country can provide," while Rudolph, the 20th of 22 children of a

railroad porter and a domestic servant, lived in poverty in rural Tennessee and attended "a poor, black school, where children were taught from hand-me-down books left over from the white school."

Stockdale pursued a career in the Navy and, during the Vietnam War, became the highest ranking U.S. officer in the infamous prison camp dubbed the "Hanoi Hilton," where he was physically and mentally abused and spent four years in solitary confinement.

"Against the mental and physical torture," Atchley said of Stockdale, "he had no weapons -- only the armor of his culture, his values, his civilization -- his knowledge of himself and where he came from. In short, his education.

"Once, when the pain in his knee was almost unbearable, he remembered the words he'd learned in a humanities class. His teacher taught him what a Greek philosopher once said: 'Lameness is an impediment to the leg, but not to the will.'"

Rudolph, a sickly, crippled child, wore a leg brace until she was 12 and entered junior high school, where she discovered sports and was taken under the wing of "a dedicated educator, her coach," Atchley said.

"Four years later, Wilma was the youngest member of the U.S. track team," he said. "At the age of 16, she won a bronze medal at the 1956 Olympics in Melbourne, Australia. In 1960, in Rome, she became the first American woman in history to win three gold medals in track, and she set a world record in the 100-yard dash.

"Today she is a successful business woman, wife and mother."

The message of those stories, Atchley said, "is this: For James Stockdale and Wilma Rudolph, the teachers they encountered -- their educations -- had a life-changing impact for good in their personal lives."

The president then became more personal and direct in his point: "I can assure you from personal experience that you don't have to be born in poverty -- or be imprisoned and beaten -- to have your human spirit and character put to the test or to find out whether your education has been worth something. ...

"If you live and work long enough, you're eventually going to run into some real tests of your character and some real ethical dilemmas. ...

"When the time comes, I hope your education has taught you to walk alone. I hope Clemson University has prepared you to meet personal setbacks and defeat without giving in to emotional paralysis or withdrawing from society -- and without looking for scapegoats.

(Continued on page 4.)

(Continued from page 3.)

"I hope Clemson University has given you the educational tools you need -- not just to survive, but to triumph.

"As I say goodbye and good luck, I want to close by sharing with you the best piece of advice I've ever seen on how to make those hard choices. It's sweet and simple, and it's something I've tried to remember on every major decision I've made.

"Mark Twain said it first: 'Always do right. This will gratify some people and astonish the rest.'"

The graduates led the audience in a standing ovation at the conclusion of the speech.

## Computer engineering doctoral program to begin this fall

The University will begin this fall offering courses leading to a doctorate in computer engineering under a program recently approved by the state Commission on Higher Education.

Clemson already offers bachelor's and master's degrees in computer engineering, but engineering Dean Charles Jennett said the state needs more computer engineers with Ph.D.-level training, both in industry and education.

"There is a very real shortage of engineering faculty, not just in South Carolina but all over the nation," he said. "In order to fill a growing number of teaching vacancies, we're going to need more Ph.D.'s."

The program will be phased in over three years. Cost for the first year will be \$24,600 for two research assistants and equipment.

The college will add one faculty member in 1986 and 1987. Those positions, coupled with additional clerical help, research assistants and equipment, will bring the annual cost to \$246,275 by 1988.

President Bill Atchley said the commission, in approving the program, was adhering to its own master plan for state universities and colleges, which recommends that "Clemson's major emphasis at the graduate level should be in science and technology."

## Post office expands space and services

"We're always busy around here," grins University Postmaster Charlie Brown. And one look at the activity inside as well as outside the campus post office verifies that.

From the outside it's obvious the post office is in the process of a minor expansion -- some 780 square feet that,

says Brown, will add vitally needed work space for the postal staff.

"We won't be adding more boxes to the 7,420 we already have," he says, "but the new space will help us be more efficient with what we're doing here."

And on the inside the post office is adding to its services. On Aug. 1, for example, the University post office will begin delivering incoming U.S. mail to departments.

The post office already processes campus and state-agency mail, is a pick-up point for Federal Express and a delivery center for United Parcel Service, and recently installed a facsimile machine (which allows transmission of a document over a long-distance telephone line) for departments to use when next-day delivery isn't fast enough.

In addition to the 29632 ZIP code for campus post office boxes, the Univer-

sity now has another ZIP code: 29633 for U.S. mail sent to departments.

"One of the advantages of the new ZIP," Brown says, "is speed." U.S. mail will come directly to campus from Greenville without having to go through the city of Clemson's post office.

The University, not the U.S. Post Service, operates the campus post office.

By the start of the fall semester, the USPS will authorize the University to become a contract station, which will enable the campus post office to process registered and c.o.d. mail and to sell money orders.

And though current operations are keeping Brown and company plenty busy, he says they'll keep trying to find more and better ways to meet the University's postal needs.

"We keep looking around," he says. "There's always something else that can be done."

## Speech faculty member wins award for essay on humanism

The question, it seemed, was simple enough -- "What is a humanist?"

But the answer made one appreciate the finer shades of meaning within the English language.

"Are you talking about 'humanist' with a little 'h' or 'Humanist' with a capital 'H'?" asked Assoc. Prof. Bernard Duffy, coordinator of the speech program in the English department.

"Do you mean 'Secular Humanist' or 'Religious Humanist'? Are you referring to secular humanism as it was known in the Renaissance movement or as some people talk about it today?"

"And then there's the 'humanist' as one who teaches the 'humanities.'"

At this point one is not quite sure, perhaps, what the question is. And this confusion about the various types of "isms" of humankind is one reason Duffy wrote his nationally award-winning essay, "The Anti-humanist Rhetoric of the New Religious Right."

The essay, published last summer in *The Southern Speech Communication Journal*, placed second among the three best essays appearing in a three-year period in the journal. The 20-page article, says Duffy, "analyzes the new religious right's persuasive strategy of portraying humanists as scapegoats for the nation's alleged moral evils."

Duffy, who describes himself as a "humanist in the sense that I teach the humanities," says he wrote the article "for academic not political reasons."

"I'm seeing some confusion in students about the meaning of secular humanism [the educational movement of the Renaissance]. Some are being



Duffy

led to think that this type of humanism is against religion."

The article holds true to Duffy calling of scrutinizing all sides of a debatable issue, a calling that he practices in his teaching.

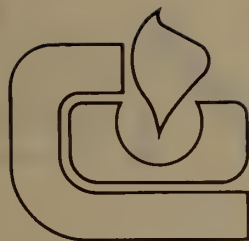
"The way he presents material in his classes," says senior English major Deena Morgan, a former Duffy student "is so interesting you remember it."

"I always loved the discussions in his and his wife's (Susan, an assistant professor of speech) classes. He really encourages you to express your opinions."

Graduating with highest honors from San Jose University, Duffy received his doctorate in speech from the University of Pittsburgh and taught for three years at Hiram College in Ohio before coming here in 1979.

As coordinator of the speech program which offers 10 courses, Duffy teaches public speaking, debate, persuasion and political and classical rhetoric.

With more than a dozen published articles to his credit, he is currently working on a volume of essays, "Fifteen American Orators: Critical Studies and Sources," for Greenwood Press.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications master calendar for possible scheduling conflicts.*

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## June 8-14

### CONFERENCES, SEMINARS AND WORKSHOPS

- 9-22 Seminar: "Two Party Politics in America," 1985 Strom Thurmond Institute Seminar. First week on campus; second week in Washington, D.C. Call 656-4700 for more information.
- 11 Conference: "How to Design and Implement the Annual Marketing Plan." Sponsored by Professional Development. 8:30 a.m.-4:30 p.m., Clemson Ramada Inn. Call 656-2200 for more information.

### OTHER EVENTS

- 8 Graduate Record Exam (General Only): Sponsored by Counseling and Career Planning Center. 8 a.m.-noon. Call 656-2451 for more information.
- 8 Dedication: First six bells of memorial carillon in Tillman Hall. 2 p.m., Tillman Hall. Call 656-2121 for more information.
- 11-20 "Family Water Safety Course." Sponsored by YMCA. 6-7 p.m., Y Beach. Call 654-2361 for more information.
- Continuous "Pre-natal fitness." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.
- Continuous "Shag Dancing." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.
- Continuous "Women's fitness." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.

## June

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# THE GURU

The first part of the book discusses the importance of the guru in the Indian tradition. It is a spiritual teacher who guides the student on the path of knowledge and enlightenment. The guru is not just a teacher but a mentor, a friend, and a father figure. The student is expected to have a deep devotion and respect for the guru, and to follow his or her teachings with a sincere heart.

The second part of the book describes the various methods used by the guru to teach the student. These include the use of stories, parables, and direct instruction. The guru also uses various techniques to help the student overcome their ego and attachments, and to realize their true nature. The student is encouraged to practice these teachings in their daily life, and to seek the guidance of the guru whenever they are in doubt or need help.

The third part of the book discusses the role of the guru in the student's life. The guru is responsible for the student's spiritual growth and development, and for their ultimate liberation. The student is expected to have a deep faith in the guru, and to follow his or her teachings with a sincere heart. The guru is also responsible for the student's physical and emotional well-being, and for their overall happiness and fulfillment.

The fourth part of the book discusses the qualities of a good guru. A good guru should be a person of high character, with a deep understanding of the spiritual path. They should be able to teach the student in a way that is both clear and inspiring, and to help them overcome their doubts and fears. A good guru should also be a person of great compassion and love, who is willing to sacrifice for the welfare of their students.



# Newsletter

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INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY



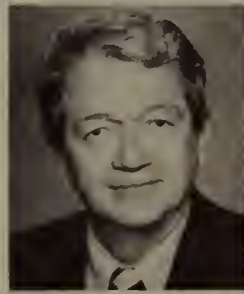
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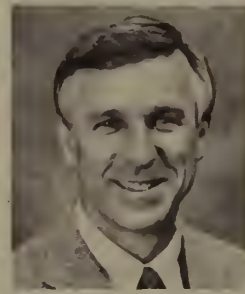
Milford



Hanckel



Mellette



Britton

## Alumni return for reunion; five receive service awards

A former POW and an internationally known hand surgeon are among this year's recipients of the Alumni Distinguished Service Award.

Marion R. Lawton Sr. of Estill; Lee Milford of Memphis, Tenn.; Frank S. Hanckel Jr. and Ramsey Mellette, both of Charleston; and J.J. Britton of Sumter received the award here last Saturday, June 8, during the annual Reunion Weekend banquet.

The banquet and awards presentation, which followed the annual Alumni General Assembly held Saturday morning, highlighted the weekend of receptions, class meetings, dorm life, and special activities participated in by about 500 alumni.

The weekend was especially special for the Class of 1935, which celebrated its golden anniversary, and the Class of 1960, which marked its silver anniversary year.

The first six bells of a planned 47-bell carillon in Tillman Tower were dedicated Saturday during a 2 p.m. ceremony outside Tillman, and that was followed by the 4 p.m. dedication of the Clemson Memorial Cannon, presented to the University by state Adj. Gen. T. Eston Marchant on behalf of the S.C. National Guard.

The cannon is dedicated to Clemson alumni who lost their lives in service to the country.

George Moore, associate vice president for institutional advancement, said the five Alumni Distinguished Service Award recipients "have honored Clemson and enhanced its reputation through their personal lives, professional achievements, community services and loyalty

to the university."

Lawton owned and operated lumber, farming, and feed milling businesses in Estill and worked for the federal government in South Carolina and Washington, D.C., before retiring in 1983.

After graduating here in 1940, he became an Army officer and was stationed in the Philippines, where he was captured by the Japanese. His ordeal during the Bataan Death March and his subsequent hardships in his three and a half years of captivity are the subject of his book, "Some Survived," published in 1984.

Milford, a 1943 Clemson graduate, earned his medical degree from Emory University and is chief of staff at Memphis' Campbell Clinic, one of the nation's foremost orthopedic facilities.

He is an internationally known consultant in Europe, Japan and South America and has personally trained 18 hand surgeons through his fellowship program. He is the author of one of the few definitive textbooks on hand surgery.

A nationally known clinical and child psychiatrist, Mellette is associate dean of the College of Medicine and professor of psychiatry, behavioral sciences and pediatrics at the Medical University of South Carolina. He is also dean of the division of continuing education. A 1947 Clemson graduate, he earned his medical degree from MUSC.

Hanckel, a 1955 Clemson graduate, is president of Coburg Dairy, a family-owned business that he has helped develop into the largest independent dairy in its field. He is a member of the Jaycees, the Trident Chamber of Com-

merce, and the Clemson University Foundation's board of directors and is a former member of the University's Board of Visitors.

Britton, a Sumter obstetrician and gynecologist, is a 1958 Clemson graduate with a medical degree from MUSC. He was chief of hospital services at Shaw Air Force Base before entering private practice in 1970.

A member of the University's Board of Trustees, Britton serves on the board's educational policy and institutional advancement committees. He also has been active in fund-raising efforts in the Sumter area.

The five were selected by their fellow alumni as "individuals whose personal life, professional achievements, community service and loyalty to Clemson best exemplify the objectives of Clemson University."

## Seven students get Poole Scholarships

Seven high school seniors have been awarded R. F. Poole Alumni Scholarships, the University's most prestigious academic grants.

The awards, which carry stipends of \$12,000 to be dispersed over a four-year period, are given in honor of Robert Franklin Poole, Clemson's president for 18 years until his death in 1958.

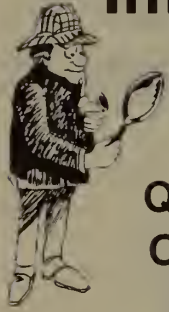
The scholarships are awarded to incoming freshmen who exhibit outstanding academic potential.

Three South Carolina students were chosen to receive the scholarships:

- Robert Dotson, son of Bobby and Phyllis Dotson of Spartanburg and a

(Continued on page 2.)

# Classified Information



## Answers to Questions from Classified Staff

**Q:** What is the deductible amount on major medical insurance?

**A:** \$100 per person, limited to three deductibles per family.

**Q:** Who is an eligible dependent under my Blue Cross coverage?

**A:** Your spouse who is not a state employee and your children under the age of 23 who are legally dependent on an employee for 51 percent of their support.

**Q:** What kind of charges can I file on major medical?

**A:** Doctor's office visit and drug bills, ambulance charges, and prosthetic equipment. X rays and laboratory tests are covered after the basic benefit of \$400 has been used.

**Q:** What kind of charges can I file on basic Blue Cross?

**A:** Diagnostic X rays and laboratory tests are covered up to \$400 on outpatient diagnostic. You can file an initial visit due to an injury and any surgery for in-patient or out-patient.

**Q:** Do I need to have a second surgical opinion before Blue Cross will pay for my surgery?

**A:** No. Second opinions are not required. However, if you want a second opinion regarding surgery, Blue Cross will pay for it under basic coverage without deductible.

**Q:** What type procedures require pre-certification to assure that the room and board portion of a hospital admission will be paid?

**A:** These procedures are listed on page 20 of the *Health Insurance* booklet.

Further questions regarding health insurance may be addressed to the Office of Payroll and Insurance, G13 Sikes Hall, phone 2000.

If you have a question related to University-wide issues of concern to classified employees, you are invited to send it to the Commission on Classified Staff Affairs, P.O. Box 2121, University Station.

(Continued from page 1)

member of the Senior Hall of Fame, the Beta Club and the Advanced Math Club;

- Bill Haulbrook, son of Roy and Hattie Haulbrook of Lexington and a National Merit finalist and a member of the Junior Academy of Science and the National Honor Society;

- Jody Socha, son of Mrs. Jacquelyn Socha of Aiken and a National Merit semifinalist, Outstanding National Junior ROTC Cadet and Student Rotarian. He also attended Boys' State and Governor's School and served as a congressional page for U.S. Sen. Strom Thurmond.

Four out-of-state students received this year's award:

- Nancy Cronin, daughter of George and Teresa Cronin of Melbourne, Fla., and a National Merit Scholar semifinalist and a member of the National Merit Leadership Academy and National Honor Society executive board. She is also a member of Sharp '84, a NASA apprentice program.

- Mark Hanes, son of Howard and Luanne Hanes of Conyers, Ga., and valedictorian of his Heritage High School class and recipient of the Outstanding Proficiency in American History Award. He is also a member of the National Honor Society, Georgia Junior Academy of Science, Science Club and Model United Nations.

- Susan Huber, daughter of William and Angela Huber of Raleigh, N.C., and a National Merit Scholar, North Carolina Scholar and Governor's School finalist. She is also a member of Who's Who Among American High School Students and the Key Club and is editor of the Millbrook High School newspaper.

- Suzanne Lee Stay, daughter of Mr. and Mrs. William Stay of Melbourne Beach, Fla., and a National Merit Scholar and a member of Who's Who Among American High School Students. She is also a member of the Society of Distinguished American High School Students and the National Honor Society.



The Clemson University Newsletter is published for public service publications editor Doris Timmerman, who recently celebrated her 40th anniversary as a Clemson employee, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
 Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
 Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

## State Sertoma Clubs begin drive to raise \$130,000 for pool

The Sertoma Clubs of South Carolina have begun a statewide campaign to raise \$130,000 for a swimming pool at the University's Outdoor Laboratory for handicapped and underprivileged children.

Clemson businessman Bill Grishaw, state chairman of the Sertoma board of directors, says the pool will be a much needed addition to the lab's facilities.

"With all the handicapped children being served, it is difficult, and sometimes impossible, to work with them in the lake," he says. "A pool will enable therapists to work with the children in the water."

The two-year effort, called Project Splash, has generated \$20,000 in pledges.

Camp Sertoma, operated by the parks, recreation and tourism management department, was established in 1971 after the Electric City Sertoma Club of Anderson, looking for a worthy cause or group to sponsor, acquired land on Lake Hartwell for a camp for underprivileged children.

The club joined forces with the University's recreation and parks department, whose students were developing recreation programs for people from all walks of life.

The University supplied 500 acres with four and a half miles of shoreline on the lake, and the Sertomans pledged to raise money for the facility.

In 1974, the state clubs voted unanimously to adopt Camp Sertoma as a statewide bicentennial project and pledged to raise \$100,000 by July 4, 1976.

Over the years, the 3,000 Sertomans have sent more than 2,000 youngsters to the facility.

Nancy Thurmond, wife of Sen. Strom Thurmond, is honorary chairman of the project.



JUN 13 1985

# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications master calendar for possible scheduling conflicts.*

## June 15-28

### CONFERENCES

- 18-20 Conference: "Non-Wovens Forum." Sponsored by Professional Development. Lyles Auditorium in Lee Hall. Cost is \$545. Call 656-2200 for more information.
- 19-21 Conference: "How to Use a Personal Business Computer." Sponsored by Professional Development. Lehotsky Hall Auditorium. Call 656-2200 for more information.

### OTHER EVENTS

- 17 "Dancin' Aerobics" begins. Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.
- 18 "Resistance Aerobics" begins. Through July 30. Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.
- 25 Examinations.
- Continuous "Pre-natal fitness." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.
- Continuous "Shag Dancing." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.
- Continuous "Women's fitness." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.

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# EVENTS

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# Newsletter

June 19, 1985  
Vol 24 No 39

JUN 20 1985

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Personnel Office begins orientations for new employees

The Personnel Office this month began presenting biweekly orientation programs for new members of the classified staff.

The orientations cover such subjects as position and job classification; employment, promotion and transfer policies; grievance procedures; annual, sick and other leaves with pay; educational opportunities and library use; Redfern Health Center and the Nursing Center; safety policies; and other job-related information.

"One of the primary purposes of the orientations," says Dick Simmons, assistant personnel director, "is to give new people direct information rather than have them rely on hearsay or on outdated rules."

Plus, says Simmons, the Personnel Office has felt the need for some time to tell incoming staff members more about the University's overall mission, their own roles in the University, common employee responsibilities, personnel policies, and a summary of benefits.

Simmons stresses that, although the orientation is mandatory for every new, permanent, on-campus, classified employee, current members of the faculty and staff are welcome to attend.

An orientation session, which takes about three hours, will be held on the Friday following each payday. Simmons says he expects about 18-20 people in most groups, though fall and spring sessions could be larger because there is greater turnover at those times.

An additional benefit of the program, says Simmons, is that classified staffers will be able to associate a face with a name in the Personnel Office, which may make the employees more inclined to call on Personnel for help and information.

Ideally new staff members will attend orientation on their first day of work, according to Simmons, who says Personnel hopes that eventually there'll be time during the sessions for employees to register their vehicles and have ID photos taken.

Orientations have been given in the

past by individual departments, says Simmons, but never by the Personnel Office. "We've been wanting to do this for a number of years, and now's a good time to start," he says.

Supervisors should call Simmons at 656-2426 to schedule new employees for orientation as soon as employment dates are decided and to find out where the next session will be held. Locations will be announced each month for the following month.

Recently hired employees who want to attend upcoming sessions are welcome but must call Personnel to confirm a time, because space will be limited.

In addition to initiating the new orientation program, the Personnel Office has been busy with a series of pre-retirement seminars, with tentative plans for another one in late July; a seminar on progressive discipline in management; and plans for additional seminars for departmental employees in the use of new forms.

Also in the works is the campus-wide installation of a computerized leave system that will allow an employee to find out more quickly exactly what his or her leave status is.

As this service becomes available, the Personnel Office will help departments with computers learn how to use the system and will operate the system for departments without computers.

## State's top teachers come to campus for AP institutes

The teachers of some of the best and the brightest high school students in South Carolina are on campus this week learning how to teach better.

The 140 teachers arrived Sunday and will be here through next week for Advanced Placement Institutes taught by University faculty members in English, calculus, history, the sciences, and foreign languages.

Clemson is one of several state schools participating in the institutes funded by a grant from the State Department of Education.

English Prof. John Idol, who wrote the proposal requesting that Clemson

be involved in the program, says the courses will be a great opportunity for the University to get in touch with some of the best teachers across the state.

"And by getting in touch with those AP teachers," Idol says, "we also get in touch with many of the best high school students across the state."

The Educational Testing Service is also very interested in how this works out, Idol says, because part of the purpose of this program is to help South Carolina students learn how to do better on ETS examinations.

Faculty members participating here are Idol and Bill Koon in English, John Kenelly and John Luedeman in mathematical sciences, Theda Perdue and Denis Paz in history, Larry Dyck in microbiology, Fred Keller in physics, Garth Spencer in chemistry, John Romeiser in French, and Sixto Torres in Spanish.

Graduate credit will be given for successful completion of the courses, and the State Department of Education will do follow-up studies on the effect of the program on the grades of the state's AP students.

The teachers will return to campus July 19-20 for a two-day wrap-up session.

## Alumna joins board of CU Foundation

Angelina Howard, a 1969 Clemson graduate, has been elected to the board of directors of the Clemson University Foundation.

She is the only new Foundation director this year and is the first woman to be elected to the 20-member board.

She is also the only female division head at the Institute of Nuclear Power Operations (INPO) in Atlanta, Ga., where she is director of communications.

Before joining the INPO, she was manager of energy information for Duke Power Co. in Charlotte, N.C.

A native of Laurens, Howard lived here in Clemson in the '60s and '70s, during which her mother, Mary Francis, worked for 15 years in the office of University President R.C. Edwards.

Howard's Clemson connections also  
(Continued on page 2.)

(Continued from page 1.)

include her father, the late M.W. Spearman, a 1936 alumnus; her brother, M.W. Spearman Jr., a 1962 alumnus; and her husband, Atlanta businessman Richard Johnson, a 1969 alumnus.

Foundation directors reelected to four-year terms during the board's spring meeting May 3-4 at Kiawah Island include John M. Evans of Campobello, owner and president of Palmetto Mechanical of Spartanburg Inc.; William H. Mathis of Atlanta, a stock broker with Bear Stearns & Co.; H. Donald McElveen of Columbia, president of the architectural firm of Geiger, McElveen and Kennedy; and Davis T. Moorhead of Arlington, Va., manager of the Washington office of Sperry Marine Systems, Sperry Corp.

The new president of the board is William W. Dukes of Orangeburg, retired president and chief executive officer of Applied Engineering Co., and the new vice president is Billy G. Rogers of Dillon, president of Dillon Realty Co.

The board of directors is responsible for overseeing and setting policy for the fund-raising activities of the Foundation, whose purpose is to raise and invest funds for the academic benefit of the University.

## Conservation Service gives resource data to the University

A computer tape containing a comprehensive inventory of South Carolina's natural resources has been given to the University by the Soil Conservation Service.

The tape contains detailed information on land use, soils, conservation needs, wetlands and flooding, potential cropland, prime farmland, vegetation, wildlife habitat, and erosion.

University officials say the information should be "extremely valuable" to land use, industrial and recreation planners, foresters, wildlife officials, agricultural researchers and specialists, and Extension personnel.

In presenting the tape, Billy Abercrombie, state conservationist for the Soil Conservation Service, said Clemson is the first educational institution in the country to be given access to the information.

The data, based on the 1982 National Resource Inventory for South Carolina, has information from 11,000 primary sites of 160-acres each scattered throughout the state.

"It's by far the most comprehensive inventory of this type ever done for South Carolina," says Luther P. Anderson, dean of the College of Agricultural

Sciences.

"It gives us a good handle on what is on the land and what is happening to it," he says. "It's raw, base-line data that will help us plan and make many important decisions."

The inventory will be stored at the Computer Center and will be available to state agencies and individuals.

## Minority students will enjoy results of Olin Corp. gift

The University's summer engineering program for minority students has received a \$3,000 boost from the Olin Corp. through a donation to the chemical engineering department.

Department head Bill Barlage said the money will help support a free summer program aimed at introducing talented black high school students to opportunities in engineering.

"Students selected for the program spend six weeks on campus, with all expenses paid, during two consecutive summers," Barlage said. "The first summer, they get a general overview of engineering. The second year, they select a specific discipline for detailed study."

In accepting the check from Donald Porter, regional supervisor for college relations at Olin, engineering Dean Charles Jennett said the donation represents the company's "continuing support of our program, both in financial assistance and in recruiting and hiring the engineers we graduate."

## Architecture students act as consultants on Dallas project

Nine architecture students here acted during the spring semester as design consultants on a proposed 4,000-acre community in Dallas, Texas -- the largest ever approved by the Dallas Zoning Commission.

The six graduate students and three second-year students went to Dallas to

present their plans to city engineers and project architects from the Bellamah Corp., developer of the proposed 60,000-member Mountain Creek community.

Later, the architects, the developer, and the planners came here to discuss the project further with the students.

Although architecture students here have worked on larger assignments, the work on this one is significant for several reasons, says architecture Prof. Gayland Witherspoon, who introduced the project to his colleague, Assoc. Prof. Yuji Kishimoto, and Kishimoto's graduate students.

"Not only were the students able to go to Dallas and present their plans in a professional, sophisticated environment, but they had the opportunity to see and study urban architecture -- something they aren't exposed to in Clemson."

Plus, says Witherspoon, the students were able to use their experience and talent in a setting unlike that in which they are accustomed to working, and they gained valuable experience in urban design, complex site planning and on-site planning.

"This site, unlike the ones we work on in the Carolinas and Georgia, contains steep hills surrounding flat plains covered with mesquite," he says. "The climate is hot and dry, so that posed a challenge in design of the building."

For the developers, the students' work provided alternatives that helped focus the direction of the Mountain Creek project.

"The students actually redid the third phase of the master plan," Kishimoto said, "but they were not paid consultants. The project was purely an academic exercise."

The third phase included plans for a town center consisting of a post office, theater, restaurant, library, activities center, and subway, as well as housing and parking facilities.

The plan also included landscaping.

Witherspoon is confident Bellamah will call on Clemson students for consultations in future projects.

"They were very impressed with the calibre of the students' work," he says. "This is quite a coup for our students."



The Clemson University Newsletter is published for Onieda Clayton, the Housing Office's Custodian-of-the-Month for April, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



# Newsletter

JUN 26 1985

June 26, 1985  
Vol 24, No 40

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Ceramic engineering's new department head takes office July 1

Gordon Lewis, a professor of ceramic engineering and research associate for The Graduate Center for Materials Research at the University of Missouri-Rolla, will become head of the ceramic engineering department July 1.

He will succeed Prof. Gil Robinson, who has resigned as department head to develop a doctoral program in ceramic engineering and to increase departmental funding from ceramic industries.

Lewis received his B.S. and Ph.D. degrees from Alfred University, did post-doctoral work at the University of

Kansas, and has been at Rolla since 1964.

His current research interests include phase equilibria, design of HAC concrete mixes, and the application of computers to the refractories industries.

In addition to serving on numerous academic committees and performing scholarly research, Lewis has been actively involved with students at Rolla as an adviser to the Wesley Foundation and as a member of local governing boards for student organizations.

In 1979 he was named "Missouri Volunteer of the Month" by the lieutenant governor's office for student related activities.

Lewis is a member of a number of professional societies. He has had industrial experience as a precision machinist with Ring Punch and Dye Co.

of Jamestown, N.Y., as a ceramic engineer with Carborundum Co. of Niagara Falls, N.Y., and as a consultant to numerous companies, including McDonnell Aircraft Corp. and Western Electric.

Robinson, who announced his resignation in 1983, has been ceramic engineering's only department head, a position he has held for 36 years.

"In that period," says engineering Dean Charles Jennett, "he built a department, and he also built an industry in the Southeast from nothing to one of the largest contributors to the economy of South Carolina."

Pointing to the excellent foundation built by Robinson, Jennett says Lewis brings with him "new thoughts and traditions for ceramic engineering to follow."

## Provost announces faculty promotions

Here is this year's faculty promotions list:

### Agricultural Sciences

Promoted to professor: Rose J. Davis, P. James Rathwell, Russell W. Sutton, and John R. Sweeney.

Promoted to associate professor: Michael J. Delwiche, Eddie H. Kaiser, Mary E. Kunkel, Mitchell E. Roof, Thomas E. Schwedler, and Susan U. Wallace.

Promoted to assistant professor: John L. Keener, Jr.

### Architecture

Promoted to professor: John D. Jacques.

Promoted to associate professor: Thomas W. Dimond, Janet B. Mulholland, and James A. Stockham.

### Commerce and Industry

Promoted to professor: J. Richard Aspland, Michael D. Crino, Terry L. Leap, Richard Reese, Robert W. Rouse and Myles S. Wallace.

Promoted to associate professor: E. Lewis Bryan, R. Stephen Cantrell, Thomas L. Dickens, Clay Hipp and G. Stacy Sirmans.

### Education

Promoted to associate professor: Clinton H. Isbell.

### Engineering

Promoted to professor: Thomas J. Overcamp.

Promoted to associate professor: James L. Burati Jr. and Richard S. Figliola.

### Forest and Recreation Resources

Promoted to professor: Donald L. Ham.

Promoted to associate professor: George R. Askew, Richard L. Howell and Andy W.C. Lee.

### Liberal Arts

Promoted to professor: Leonard Berger, Claire O. Caskey, Mechthild Cranston, Frank L. Day, Charles H. Lippy and Theda Perdue.

Promoted to associate professor: Raymond C. Sawyer.

### Nursing

Promoted to associate professor: Sara E. Barger.

### Sciences

Promoted to professor: Carolyn S. Brown, Gayle P. Noblet, John D. Petersen, James A. Reneke and Daniel D. Warner.

Promoted to associate professor: James R. Brannan, Dennis E. Stevenson and Richard D. Warner.

## German prof to head languages department

Helene M. Riley, an associate professor of Germanic languages at Yale University, will join the faculty here next month as head of the languages department.

She was head of the Yale Summer Language Institute during 1979-81 and chaired Washington State University's languages department in 1981-82.

She has written eight books, contributed work to anthologies and published numerous articles. "Clemens Brentano," her latest book, recently was published by Sammlung Metzler in Stuttgart, Germany.

A native Austrian, Riley attended business college in Vienna, Austria, then graduated magna cum laude from North Texas State University with a bachelor's degree in music in 1970.

She received her master's degree and doctorate in Germanics from Rice University.

"Professor Riley offers an excellent role model as a practicing professional in her German discipline and as a leader with her experience at Yale and Washington State universities," says liberal arts Dean Robert Waller.

Riley will succeed Assoc. Prof. John Romeiser, who has served as acting department head since Prof. Harry Stewart left the position in June 1984.

## Fulbright program taking applications

The U.S. Information Agency has announced details of the 1986-87 Fulbright Teacher Exchange Program.

The program involves the international exchange of elementary, secondary and postsecondary teachers.

In addition to the United States, countries taking part in the program include Canada, the United Kingdom, France, The Federal Republic of Germany, Denmark, Switzerland, and possibly Italy. Seminars for teachers will also be held during the summer of 1986 in Italy and the Netherlands.

Completed applications for the program must reach USIA by Oct. 15 to be considered for next year.

For more information write Fulbright Teacher Exchange Program, E/ASX, U.S. Information Agency, 301 4th St., S.W., Washington, D.C. 20547

## 'Begin your next trip on the loggia,' says Travel Center director

If you're planning a trip this summer -- whether intrastate or international -- you might want to make the University Travel Center your first stop.

The Travel Center, housed in the University Union's offices on the loggia, has information on every travel location you can imagine, says Catherine Byrd, who joined the center last month as director. "Brochures are available for the taking," she says, "and our reference library is open for use by all faculty and staff members, as well as students."

The center's summer hours are 12:30-4:30 p.m. Tuesdays through Thursdays. Beginning Aug. 1, the hours will increase to noon-5 p.m. Monday-Friday.

Byrd, who received her master's in personnel services here last August, says her appointment as director is a response to the growing demand for the Travel Center's services.

"Previously only students were hired," she says. "But increased interest in the Travel Center caused the need for an appointed director. It was difficult to train new students every semester on the number of services we offer."

"We help faculty, staff and students find the most economical means for making their trips," says Byrd.

"We do much more than plan the trips for Spring Break," she says. "And people should take advantage of this."

A current Travel Center project you might want to take advantage of is a

faculty-staff trip July 11-13 to Opryland and the Grand Ole Opry. For information, call Byrd at 656-2461.

## The Visitors Center can help you find an understanding ear

You're asked to entertain a visitor to your department for an hour or so.

No problem.

Then you find out the guest is from West Pakistan and speaks only Urdu -- no English.

You do not speak Urdu.

What do you do?

The Visitors Center has the answer: The Language Bank.

"The Language Bank is a list of people from the campus and the community who have volunteered their services as translators," says Joy Skelton,

assistant manager of the Visitors Center.

The bank presently has 63 volunteers, each of whom speaks one or more of 20 languages, including Urdu, listed at the center.

Janis Moore, manager of the Visitors Center, says, "If anyone needs an interpreter they might like to contact us, and we'll consult The Language Bank to find the person best suited for the job."

The Visitors Center staff, when requested, will contact a linguist, describe the situation, and, if the linguist agrees to help, refer him or her to the person in need.

"The Language Bank is one of many services of the Visitors Center available for use by the campus community," says Moore.

The center is in 103 Tillman Hall. Call 656-4789 for more information.

## DEPARTMENTAL NOTES

Announcements of professional accomplishments of faculty and staff members appear in the last Newsletter of each month.

### ACCOUNTANCY

R.K. Doost (Asst Prof) had a paper, "Meeting the Challenges of the Future: Governments Must Find Better Ways for Budgetary Control," accepted for presentation during the American Accounting Association's Annual Convention Aug. 21.

Prof. Doost was recognized as "most valuable member" by the National Accounting Association's Anderson chapter" for contributions including submission of four manuscripts to *Management Accounting* and recruitment of 16 student members for the 1984-85 academic year.

Prof. Doost had a paper, "Industry Performance Measures," presented at the Southwest Business Symposium in Edmond, Okla., April 5. The paper was recognized as "the outstanding manuscript in the area of accounting."

Prof. Doost presented a paper, "A

Review of Advances in Public Budgeting," at the Southeast American Accounting Association meeting in Orlando, Fla., April 26.

### ADMINISTRATIVE PROGRAMMING SERVICES

J.N. Hiser (Sr Sys Analyst) and M.E. Neil (Sr Sys Analyst) coauthored "A Query System Implementation Case Study," which was published in *Cause/Effect*, Vol. 8, No. 3, May 1985.

### AGRICULTURAL ECONOMICS & RURAL SOCIOLOGY

B.H. Robinson (Prof & Hd) presented "Economic Survival of Agricultural Adjustment in the 1980's: An Investigation of Alternative Cropping Systems in the Southeast" before a hearing April 17 in Washington, D.C., of the U.S. Senate Committee on Appropriations' Subcommittee on Agricultural Rural Development and Related Agencies.

Prof. Robinson participated April 23-24 in Columbia in an Ag Lenders seminar sponsored by the Clemson University Cooperative Extension Service and



The Clemson University Newsletter is published for Pat Schmielting, a staff assistant II in the College of Agricultural Sciences, and for all the members of the University faculty and staff by the Department of Publications and Graphics Services.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



the Chicago Board of Trade.

Prof. Robinson participated in a meeting of the Marketing Extension Committee at Hobcaw Plantation in Georgetown April 25-26.

### AQUACULTURE, FISHERIES & WILDLIFE

The College of Agricultural Sciences sponsored a tour of the Mississippi Catfish Farming Industry in cooperation with Mississippi State University Feb. 28-March 1.

T.A. Schwedler (Exten Aqua Spec) presented "A Perspective of Fish Farming in Georgia and South Carolina," "Water Quality Management," "Parasites and Diseases," and "Stocking Rates, Feeding, and Records" at "A Workshop for New and Prospective Catfish Farmers," sponsored by the University of Georgia and Clemson University at Fort Gordon, Ga., April 10.

### BIOENGINEERING

A.F. von Recum (Prof) was editor of Section II of the *Textbook of Small Animal Surgery*, D.H. Slatter, Ed., W.B. Saunders Comp., Philadelphia, Pa., 1985.

### CHEMISTRY & GEOLOGY

R.A. Abramovitch (Prof) presented an invited seminar on nitrenium and oxenium ions at Clarkson University in Potsdam, N.Y., April 24.

Prof. Abramovitch, R. Jeyaraman (Vstg Instr), and K. Yannakopoulou (Grad Stu) presented a paper, "Remote functionalization of Arylnitrenium Ions. even-membered Ring Formation," at the national meeting of the American Chemical Society in Miami, Fla., May 10.

Prof. Abramovitch chaired the afternoon session of the Second International Symposium of Pyridine Chemistry at the University of Salford, England, May 8.

Prof. Abramovitch presented an invited lecture, "Enium Ions--Generation and Synthetic Applications," at the University of East Anglia in Norwich, England, May 14.

Prof. Abramovitch presented an invited paper, "Azepine and Thiazepine N-cyclamines: Possible Mechanism," coauthored with B. Mavunkel (Res Assoc), O'Connor (Grad Stu), C. Riche (Res Sci, CNRS, Gif-sur-Yvette), J.R. Stowers (Grad Stu), and M.M. Wegryzn (Grad Stu), at the Seventh Lakeland Heterocyclic Symposium of the Royal Society of Chemistry in Grasmere, England, May 10 and chaired the closing session of the symposium May 13.

J.W. Huffman (Prof) presented "A Novel Enol Ether Variation of the Robinson Annulation" at the 189th national

meeting of the American Chemical Society in Miami Beach, Fla., April 28-May 2.

Prof. Huffman, G.S. Sunduram (Former Res Assoc), R. Sawdaye (Former Res Assoc), P.C. Raveendranath (Grad Stu) and R.C. Desai (Former Res Assoc/Asst Prof) have published "A Formal Synthesis of (+)- Ibogamine" in the *Journal of Organic Chemistry*, 1985, 50, 1460-1464.

### CIVIL ENGINEERING

J.L. Burati Jr. (Asst Prof) has received grants of \$5,000 from Kellogg-Rust Inc. and \$7,500 from the S.C. Asphalt Pavement Association to support the research on asphalt cement he is conducting as part of the Presidential Young Investigator Award program. The grants will be matched by an additional \$12,500 from the National Science Foundation.

### COMPUTER SCIENCE

D.E. Stevenson (Assoc Prof) delivered a paper, "Encapsulating Semantics: An Approach to Unifying Semantic Concepts," at the Conference on the Mathematical Foundations of Programming Semantics at Kansas State University April 11-12.

### ECONOMICS

W.F. Shughart II (Assoc Prof) presented "The Employment Consequences of the Sherman and Clayton Acts," with R.D. Tollison (Hldr Abner Chr), at the annual meeting of the Southern Economic Association in Atlanta, Ga.

Prof. Shughart presented a paper, "Voters as Investors: Some Empirical Results," with W.M. Crain (Assoc Prof, George Mason Univ) and Prof. Tollison, at the annual meeting of the Public Choice Society in New Orleans, La.

Prof. Shughart is a member of the Nominating Committee of the Southern Economics Association.

Prof. Shughart had the following articles accepted for publication (in addition to others listed, Prof. Tollison coauthored each of these articles.):

-- "Legislation and Political Business Cycles" by *Public Choice*.

-- "On the Growth of Government and the Political Economy of Legislation" by *Research in Law and Economics*.

-- "Adam Smith in the Customhouse," coauthored with G. Anderson (Grad Stu, George Mason Univ), by *Journal of Political Economy*.

-- "Free Entry and Efficient Rent Seeking," coauthored with R.S. Higgins (Fed Trade Comm), by *Public Choice*.

-- "Corporate Charting: An Exploration in the Economics of Legal Change" by *Economic Inquiry*.

-- "The Vote Motive and the Deficit: A Contingent Liability Approach" in *Towards a Political Economy of Defi-*

*cits* (Oxford: Basil Blackwell, Ltd.)

Prof. Shughart has recently published the following (in addition to others listed, Prof. Tollison coauthored each of these):

-- "The Convergence of Satisficing to Marginalism: An Empirical Test," coauthored with Prof. Crain, in *Journal of Economic Behavior and Organization* 5 (1984): 375-385.

-- "The Random Character of Merger Activity" in *Rand Journal of Economics* 15 (1984): 500-509.

-- "The Behavior of Regulatory Activity Over the Business Cycle: An Empirical Test," coauthored with R.C. Amacher (Dean and Prof) and R.S. Higgins (Fed Trade Comm), in *Economic Inquiry* 23 (January 1985): 7-19.

-- "The Disinterest in Deregulation," coauthored with R.E. McCormick (Prof), in *American Economic Review* 74 (Dec 1984): 1075-1079.

-- "The Use of Inputs by the Federal Reserve: Reply" in *American Economic Review* 74 (Dec 1984): 1121-1123.

### ENGINEERING -- DEAN'S OFFICE

J.C. Jennett (Dean & Prof, Envir Systems Engr) has been named to the National Society of Professional Engineers' Education Advisory Group, which advises NSPE's leadership on educational matters and provides a forum for the exchange of information about NSPE programs and issues of mutual interest.

### ENGLISH

J.L. Idol Jr. (Prof) read a paper, "The Foundations of Mannerhouse," and chaired a session at the sixth annual meeting of the Thomas Wolfe Society in Asheville, N.C., May 10-12.

Prof. Idol published "Clifford Pyncheon's Soap Bubbles" in *American Notes and Queries*, 23, No. 3-4 (1984), 39-41.

C.H. Sawyer (Prof) was a convocation speaker at Tri-County Tech's liberal arts lecture series March 28.

Prof. Sawyer published "Kilroy Was Here--But He Stepped Out for a Minute! Absentee Characters in Popular Fiction" in the *Journal of Popular Culture*, 18 (Fall, 1984), 2.

R.A. Underwood (Prof) published *Shakespeare on Love: The Poems and the Plays. Prolegomena to a Variorum Edition of a Lover's Complaint*, Salzburg: Salzburg Studies in English Literature, No. 91.

J.P. Zanes (Asst Prof) published a poem, "Daylight in the Swamp," in *Emory's Journal*, May 1985.

### ENVIRONMENTAL SYSTEMS ENGINEERING

A.R. Abernathy (Prof), J. Zirschky (Former Grad Stu), and M.B. Borup (Former Grad Stu) published "Overland Flow Wastewater Treatment at Easley, S.C.," in *Journal Water Pollution Con-*

(Continued from page 3.)

(Continued on page 4.)

*trol Federation*, Vol. 57, 291-299 (April).

## EXTENSION

P. Hall (Ext Agent-County) was honored as "Young Career Woman of the Year" by the Barnwell Business and Professional Women's Club, Barnwell County.

R.L. Boozer (County Ext Chm) was honored with the Outstanding Agriculturist Award by the S.C. Farmer Cooperative Council at its 1985 annual meeting in Columbia March 5.

## FOOD SCIENCE

J.C. Acton (Prof) presented invited lectures on "Chemistry of Fermented, Dry Sausage" and "Fermented Meat Color Properties" at an American Meat Institute's Conference on Dry Sausage at Iowa State University April 24-26.

D.M. Henricks (Prof) presented an invited seminar, "Growth and Hormone Responses of Bull and Steers to Anabolic Implants," at Eastman Kodak Company in Rochester, N.Y., Feb. 12.

Prof. Henricks presented "Effect of Gender and Feed Intake on Growth and Serum Hormones and Metabolites of the Bovine" at a symposium, "Control and Manipulation of Animal Growth -- 43rd Easter School," at the University of Nottingham's School of Agriculture in England April 14-22.

C.V. Morr (Stender Prof) and A. Seo (Res Spec) published an article, "Activated Carbon and Ion Exchange Treatments for Removing Phenolics and Phytate from Peanut Protein Products," in the *Journal of Food Science*, Vol. 50(1): 262-263.

## 4-H & YOUTH DEVELOPMENT

B.L. Hodges (Asst Prof) presented "Oral and Written Communication Skills for Career Success" at the College Career Day conducted by the School of Home Economics at South Carolina State College April 27.

## HOME ECONOMICS --EXTENSION

C.T. Mounter (Assoc Prof) was an invited participant, representing the Strom Thurmond Institute and Clemson University, at a Diffusion Conference at the Center for Volunteer Development at VPI in Blacksburg, Va.

## HISTORY

J.R. Wunder (Prof & Hd) published *Working the Range: Essays on the History of Western Land Management and the Environment* (Westport, Conn.: Greenwood Press, 1985).

Prof. Wunder also reviewed *The Development of Law on the Rocky Mountain Frontier* by Gordon Bakken in *Journal of American History* 71 (March 1985): 883-884.

## INDUSTRIAL EDUCATION

G.G. Lovedahl (Assoc Prof) and D.G. Tesolowski (Assoc Prof) presented "Designing Training Materials" at the semi-annual meeting of the Carolinas Society for Training and Development in Greenville March 20-22.

W.E. West (Prof) served as a judge for the Anderson County Woman's Club's performing arts competition for high school students in Anderson County May 14.

## INDUSTRIAL ENGINEERING

R.P. Davis (Prof & Hd) was honored by the Greenville-Spartanburg Chapter of the Institute of Industrial Engineers (IIE) as its "Outstanding Industrial Engineer" for 1985. He is a member of the editorial board of the *IIE Transactions*, the institute's research and development journal.

J. Haddock (Asst Prof) presented "Building a Simulation Generator for Manufacturing Cell Design and Control, coauthored with Prof. Davis, at the International Institute of Industrial Engineers Conference in Los Angeles, Calif., May 19-23. He was session moderator for the Operations Research Division and was appointed research chairman for the division.

W.J. Kennedy Jr. (Prof) has been appointed to the editorial boards of two international professional journals, *Maintenance Management International* and *Engineering Costs and Production Economics*.

Prof. Kennedy was presented a special citation by the Institute of Industrial Engineers for outstanding contributions to the enhancement of energy management in the field of industrial engineering at the national meeting of the IIE in Los Angeles, Calif., May 19-23.

C.R. Lindenmeyer (Prof) presented "Creativity: Process, Personality, and Personnel Leadership" to the Region IV Administrative Management Society Conference in Clemson May 3. He donated the speaking honorarium to the I.E. department's PARATEC program.

## LIBRARY

D.A. Fiste (Asst Libn) has been appointed as a Professional Ethics Committee liaison with the American Library Association for 1985-86.

Fiste published "Library Automation" in *Alumnun Magazine* (Summer 1985), DePauw University.

## MATHEMATICAL SCIENCES

C.R. Johnson (Prof) and W.W. Barrett (Brigham Young Univ) published "Spanning Tree Extensions of the Hadamard-Fischer Inequalities" in *Linear Algebra and Its Applications* 66:177-193 (1985).

D.R. Shier (Prof) presented a paper,

"A Class of Algorithms for Generating All Cutsets in a Directed Graph," written jointly with D.E. Whited (Grad Stu) at the TIMS/ORSA national meeting in Boston, Mass., in April. Prof. Shier also served as chairman of a session at the conference.

Prof. Shier presented "Algebraic Methods Applied to Network Reliability Problems" at the AFOSR sponsored workshop on Reliability in Luray, Va. May 29-31.

## NURSING

M.A. Kelly (Assoc Prof) was named "KISF-FM Employee of the Week" for past and present accomplishments in the nursing profession.

Prof. Kelly's book on *Nursing Diagnosis* has been adopted for use in two of Clemson's nursing courses.

## PARKS, RECREATION & TOURISM MANAGEMENT

R.L. Howell (Asst Prof) presented "The Accommodations Tax: Innovative Ways to Use It" to the S.C. Community Development Association's spring meeting in Myrtle Beach May 20.

## PHYSICS & ASTRONOMY

P.B. Burt (Prof & Hd) presented a paper, "Nonperturbative Solutions of the Lane-Emden Equation," in a conference in Copenhagen celebrating the 100th anniversary of the birth of Niels Bohr, nobel laureate and founder of Quantum Mechanics, May 3-9.

## PLANT PATHOLOGY & PHYSIOLOGY

L.W. Baxter (Prof), S.G. Fagan (Ag Sci Asst) and P.A. Mitchell (Ag Sci Assoc) published a paper, "The Response of *Camellia oleifera* to *Glomerella cingulata*, The Cause of 'Dieback Canker and Graft Failure of Certain *Camellia* Species," in *The Camellia Journal* 40(2): 14-15.

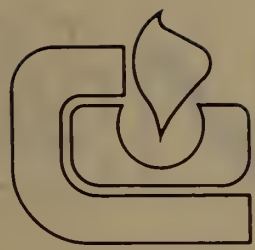
## TEXTILES

H.M. Behery (Prof) presented two papers, "Application of Nonwovens in Geotextiles: Part I. Soil Separation and Reinforcement" and "Part II. Drainage and Erosion Prevention and Control," at the TAPPI Nonwoven Symposium April 21-25. The papers were published in TAPPI Proceedings.

Prof. Behery organized and chaired a session on Geotextiles at the TAPPI Nonwoven Symposium April 21-25.

## SOCIOLOGY

B.J. Vandermeij (Asst Prof) presented a speech, "Important Factors in Farm Family and Mill Family Communities (a commentary on "Reflections: Drama on Life in the Pendleton District," sponsored by the S.C. Committee for the Humanities and the Pendleton District Historical and Recreational Commission, in Pendleton May 6.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications master calendar for possible scheduling conflicts.*

## June 29-July 12

### EVENTS JULY

- 2 Registration for second summer session.
- 3 Classes begin. Late registration fee applies.
- 4 Holiday.
- 6 Classes meet.
- 9 Film: "Caveman." Sponsored by the College of Liberal Arts. 7:30 p.m., Y Theater. Call 656-3263 for more information.
- 11 Last day to withdraw from class or University without record.
- Continuous "Pre-natal fitness." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.
- Continuous "Shag Dancing." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.
- Continuous "Women's fitness." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.

## July -31

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# THE EVENING STAR

Published Daily, except on Sundays and Public Holidays, at No. 10, Market Street, Singapore.

Advertisements are received for insertion in this paper on the following terms:—

For the first week, 10 cents per line; for the second week, 8 cents; for the third week, 6 cents; for the fourth week, 5 cents; for the fifth week, 4 cents; for the sixth week, 3 cents; for the seventh week, 2 cents; for the eighth week, 1 cent; for the ninth week, 1 cent; for the tenth week, 1 cent; for the eleventh week, 1 cent; for the twelfth week, 1 cent; for the thirteenth week, 1 cent; for the fourteenth week, 1 cent; for the fifteenth week, 1 cent; for the sixteenth week, 1 cent; for the seventeenth week, 1 cent; for the eighteenth week, 1 cent; for the nineteenth week, 1 cent; for the twentieth week, 1 cent; for the twenty-first week, 1 cent; for the twenty-second week, 1 cent; for the twenty-third week, 1 cent; for the twenty-fourth week, 1 cent; for the twenty-fifth week, 1 cent; for the twenty-sixth week, 1 cent; for the twenty-seventh week, 1 cent; for the twenty-eighth week, 1 cent; for the twenty-ninth week, 1 cent; for the thirtieth week, 1 cent; for the thirty-first week, 1 cent; for the thirty-second week, 1 cent; for the thirty-third week, 1 cent; for the thirty-fourth week, 1 cent; for the thirty-fifth week, 1 cent; for the thirty-sixth week, 1 cent; for the thirty-seventh week, 1 cent; for the thirty-eighth week, 1 cent; for the thirty-ninth week, 1 cent; for the fortieth week, 1 cent; for the forty-first week, 1 cent; for the forty-second week, 1 cent; for the forty-third week, 1 cent; for the forty-fourth week, 1 cent; for the forty-fifth week, 1 cent; for the forty-sixth week, 1 cent; for the forty-seventh week, 1 cent; for the forty-eighth week, 1 cent; for the forty-ninth week, 1 cent; for the fiftieth week, 1 cent; for the fifty-first week, 1 cent; for the fifty-second week, 1 cent; for the fifty-third week, 1 cent; for the fifty-fourth week, 1 cent; for the fifty-fifth week, 1 cent; for the fifty-sixth week, 1 cent; for the fifty-seventh week, 1 cent; for the fifty-eighth week, 1 cent; for the fifty-ninth week, 1 cent; for the sixtieth week, 1 cent; for the sixty-first week, 1 cent; for the sixty-second week, 1 cent; for the sixty-third week, 1 cent; for the sixty-fourth week, 1 cent; for the sixty-fifth week, 1 cent; for the sixty-sixth week, 1 cent; for the sixty-seventh week, 1 cent; for the sixty-eighth week, 1 cent; for the sixty-ninth week, 1 cent; for the seventieth week, 1 cent; for the seventy-first week, 1 cent; for the seventy-second week, 1 cent; for the seventy-third week, 1 cent; for the seventy-fourth week, 1 cent; for the seventy-fifth week, 1 cent; for the seventy-sixth week, 1 cent; for the seventy-seventh week, 1 cent; for the seventy-eighth week, 1 cent; for the seventy-ninth week, 1 cent; for the eightieth week, 1 cent; for the eighty-first week, 1 cent; for the eighty-second week, 1 cent; for the eighty-third week, 1 cent; for the eighty-fourth week, 1 cent; for the eighty-fifth week, 1 cent; for the eighty-sixth week, 1 cent; for the eighty-seventh week, 1 cent; for the eighty-eighth week, 1 cent; for the eighty-ninth week, 1 cent; for the ninetieth week, 1 cent; for the ninety-first week, 1 cent; for the ninety-second week, 1 cent; for the ninety-third week, 1 cent; for the ninety-fourth week, 1 cent; for the ninety-fifth week, 1 cent; for the ninety-sixth week, 1 cent; for the ninety-seventh week, 1 cent; for the ninety-eighth week, 1 cent; for the ninety-ninth week, 1 cent; for the hundredth week, 1 cent.



# Newsletter

July 10, 1985  
Vol 24 No 41

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

JUL 8 1985

## Switch to new telephone system just 10 days away

"T Day" is but 10 days away.

That's "T" as in "telephone" and "telecommunications."

The switch -- or "flash cut" -- to the University's new telephone system will happen over the weekend of July 19-21.

So when you get to work on Monday, July 22, you'll find that your old telephone set has been replaced by a new unit that gives you access to a modern, integrated, voice-and-data, telecommunications system.

What that means is that among the advantages you'll have at your finger tips will be push-button dialing and automatic access to long-distance lines.

Depending on the options you and your department chose earlier this year, the new system will provide services such as call-forwarding, which allows you to have your incoming calls ring at another location when you want that to happen; conferencing, which lets you hold a telephone conference with up to five other people without help from an attendant; and ring-again, which tells you when a busy number you're trying to reach is idle.

"Everyone is working very hard to make the installation as smooth as possible," says John Newton, assistant vice president for business services.

He says that long-distance-authorization codes will be hand-delivered to departments next week and that an interim telephone directory will be distributed July 19.

Training sessions to teach departmental representatives about the new system will wind up next Monday, July 15, says Newton, who urges departments to make extensive use of their specially trained coordinators during the break-in period.

"I'm also pleased to announce," says Newton, "that, after an extensive search lasting more than a year, Mr. Randal Davis will be joining the Office of Business Services on July 16th as the University's telecommunications manager.

"Mr. Davis has over 16 years experience in the telecommunications field and most recently was employed by

AT&T Information Systems."

Though no major problems are expected, Southern Bell will have a special "hotline" for users who need help or more information. The "hotline" number will be 656-4805.

Also, as an additional aid to faculty and staff members, a special issue of the University Newsletter containing information about the new system will be distributed Friday, July 19.

## Second CU student gets internship with national board

When accounting graduate JoAnne Wakim walked away from Littlejohn Coliseum with her diploma May 15, she didn't have to worry about getting  
(Continued on page 2.)



### Historical reaper

During the late 19th and early 20th centuries, horse-drawn machines like this one now on permanent display in the lobby of McAdams Hall crossed U.S. farm fields harvesting the grain that put bread on the nation's tables.

The McAdams machine, called a Gregg Reaper, was constructed by students in the Agricultural Mechanization Club with parts of two unused and unassembled reapers donated recently to the agricultural engineering department by Mr. and Mrs. Carl Rankin of West Union. The Rankins found the machines, valued at \$5,000 each, in an old warehouse in Seneca.

(Continued from page 1.)  
a job.

She knew that in a few weeks she would begin a year working with her profession's top standards-setting authority, the Financial Accounting Standards Board in Stamford, Conn.

And when she began that post this month she placed Clemson in an elite group of only two schools ever to have consecutive FASB interns.

1984 accounting graduate Chris Beavers has just finished his year with the FASB.

The FASB awards five internships each year. Applications for these are accepted from only 30 schools in the country, and only 15 applicants are invited for interviews.

"Several hundred schools have accounting programs across the nation, and most of them are much larger and older than Clemson's," says Assoc. Prof. Bob Rouse, who coordinates the University's participation in the FASB internship program.

"Therefore, just to be among the schools invited to submit candidates is a big honor for us, and to have back-to-back interns is a tremendous indication of the high quality and sophistication of our program."

FASB interns primarily do research for the seven-member board that has exclusive authority to set accounting standards and rules of procedure for setting accounting standards.

## Local AFROTC unit hosts national forum

The University's Air Force ROTC detachment recently hosted the Department of Defense's Tri-Service ROTC Committee Forum for the 1986 fiscal year.

The ROTC Committee, representing all armed forces branches, meets annually to discuss and establish the upcoming year's nationwide advertising and recruitment strategy for all ROTC programs.

The defense department chose Clemson to host the '86 forum because of the local Air Force detachment's highly successful advertising and recruiting program in 1985.

Col. Lewis Jordan, commander of AFROTC Detachment 770 here, attributed the local unit's impressive advertising/recruiting results "to, among other factors, exceptional host institution support and a highly motivated detachment staff." He also cited "Clemson's high caliber student" as a significant factor.

A spokesman for the Tri-Service ROTC Committee said Clemson's AFROTC advertising/recruiting program is "setting the standard for ROTC units across the country."

## New Employees

The University welcomes the following employees who joined Clemson during the months of March, April and May.

### Agricultural Chemical Services

Saunders, James A., Agricultural Science Associate III.

### Agricultural Economics & Rural Sociology

Curtis, Charles E. Jr., Assistant Professor.

### Agricultural Engineering

Grulke, Brenda H.L., Agricultural Science Assistant II.

Hale, Scott A., Visiting Instructor.

### Building Maintenance

Chambers, Charles D., Trades Helper.

Lyda, Ronald D., Trades Helper.

McCaul, Richard L., Trades Worker.

Presley, Estes G., Trades Helper.

Traynham, Randall L., Trades Helper.

### Computer Center

Jones, Vickie L., Programmer Analyst II.

Sluder, Thomas E., Computer Technician.

### Computer Science

Hammack, Sandra L., Clerical Specialist C.

### Continuing Education

Rogers, Diane M., Administrative Specialist A.

### Coastal Research and Education Center

Beck, Allen W., Agricultural Aide II.

### Custodial Services

Crane, Marie M., Custodial Worker I.

### Dairy Science

Pace, Carolyn M., Administrative Specialist A.

### Division of Information Systems Development

Sharpe, Nicholas, Programming Analyst I.

### Dormitories

Clayton, Onieda, Custodial Worker I.

Maxwell, Eva D., Custodial Worker I.

McJunkin, Susan W., Clerical Specialist C.

Woodruff, Willie L., Custodial Worker I.

### Electrical & Computer Engineering

Bullard, Dierdre K., Administrative Specialist A.

### Entomology

Swift, Ira Austin Jr., Program Analyst I.

Turner, Frances A., Agricultural Science Associate I.

### Forestry

Bellevue, Steven T., Agricultural Aide II.

Patterson, Tracy G., Clerical Specialist B.

### 4-H Club Work

Krohn, Glen H., Assistant Director of Extension -- 4-H.

### Grounds

Broome, Bradley S., Laborer.

Taylor, Daniel A., Laborer.

### Home Economics --County

Lilienthal, Toni S., Associate County Extension Agent.

### Horticulture

Woodruff, John T., Agricultural Supervisor.

### Housing

Dupre, Brenda R., Administrative Specialist A.

Loftis, Carolyn T., Clerical Specialist C.

### Parks, Recreation, and Tourism

Stukey, Susan D., Kitchen Aide.

### Personnel Division

Rodatz, Joy W., Clerical Specialist C.

### Professional Development

Snipes, Hilda E., Key Peripheral Operator.



The Clemson University Newsletter is published for Col. Lewis Jordan, commander of the Clemson's AFROTC detachment, and for all the members of the University faculty and staff by the Division of University Relations.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications master calendar for possible scheduling conflicts.*

JUL 8 1983

## July 13-19

### CONFERENCES

- 15-19 Bioengineers in Surgery I. Sponsored by Continuing Engineering Education. Rhodes Hall. Call 656-3308 for more information.
- 16-17 Surfactants. Sponsored by Professional Development. Ramada Inn. Call 656-2200 for more information.

### FILMS & MUSIC

- 15 Concert: Greenville-Furman Civic Band. Sponsored by College of Liberal Arts. 7 p.m., Outdoor Theater. Call 656-3263 for more information.
- 16 Film: "A Funny Thing Happened on the Way to the Forum." Sponsored by College of Liberal Arts. 7:30 p.m., Y Theater. Call 656-3263 for more information.

### OTHER EVENTS

- 18 Peach Day. Sponsored by horticulture department. Call 656-3403 for more information.
- 18-20 S.C. Beekeeper's Convention. Sponsored by S.C. Beekeepers Association. 1 p.m. July 18 to noon July 20, Newman Hall Auditorium. Call 656-3015 for more information.
- Continuous "Pre-natal fitness." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.
- Continuous "Shag Dancing." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.
- Continuous "Women's fitness." Sponsored by YMCA. YMCA Center. Call 654-2361 for more information.

July  
-31

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# Events



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JUL 18 1985

July 17, 1985  
Vol 24, No 42

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY



*Glimpse of the future --Paul Tobey and his wife, Sarah, get a glimpse of the future chemistry building from sciences Dean Henry Vogel, right.*

## Alumnus endows professorship

Paul L. Tobey, retired president of Industrial Dyestuff Co. of East Providence, R.I., announced June 8 the establishment here of the Tobey-Beaudrot Professorship in Chemistry.

Tobey, who was on campus for the golden-anniversary reunion of his 1935 graduating class, majored in textile chemistry as a cadet here.

Investment income from his gift to the Clemson University Foundation and, eventually, from four unitrusts he set up through the Foundation 10 years ago will provide a salary supplement and research support for the professorship.

"The generous gift for the Tobey-Beaudrot Professorship in Chemistry is coming at a most opportune time," says sciences Dean Henry Vogel. "Coupled with construction of the new chemistry building, the gift is an additional indication that the department of chemistry and geology is once again

returning to a position of strength."

While income from the Tobey gift will provide significant benefits for the current chemistry faculty, Vogel says he thinks the professorship, combined with the new building, will put the department in an excellent position in the years ahead to attract the finest in young researcher/teachers and new graduate students.

While a student here, Tobey played freshman football and soccer, was a battalion commander his senior year, a member of the TAPS staff, and received the Norris Medal.

While a cadet, he met Sarah Beaudrot, a student at Lander College and native of Greenwood, who later became his wife and for whom the professorship is jointly named.

Memories of his student days, says Tobey, a native of Hampton, N.H., and longtime resident of Rehoboth, Mass., are a central reason for his gift of the professorship. "I had a good time here

for four years," he says simply.

Then he explains that his Clemson experience prepared him for far more than a vocation.

Not only did college help him learn how to live in a world in which, as he puts it, "man has gone from earth to the moon, from simple surgery to human engineering, from anatomy to the building blocks of life, from the steam engine to controlled atomic fission, from the telegraph key to communication via satellite," but his education also helped him learn how personally to "bridge this vast gap."

During World War II, Tobey, as a captain in the infantry, was stationed in the China-Burma-India theater of operations. For a time he saw action with Merrill's Marauders (the famous all-volunteer precursors to the Army unit now called the Rangers), commanded by Gen. Frank D. Merrill. He then joined the Marauders' successor unit, the Mars Task Force, for the Central Burma Campaign, and later was promoted to the rank of major.

Before becoming president of Industrial Dyestuff Co., Tobey was a physical chemist with Eastman Kodak Co., in Rochester, N.Y. He later became president of Nilok Chemical Co. in Memphis, Tenn., and vice president of Philip A. Hunt Chemical Corp. in Palisades Park, N.J.

## Pope will direct intramural sports

Jim Pope, an associate professor of parks, recreation and tourism management, has become director of physical training and intramural sports.

He succeeds Banks McFadden, who retired July 1. Before becoming intramurals director in 1970, McFadden, an All-America football and basketball star here in the 1930s, spent 26 years on the school's coaching staff.

Pope has been with Clemson since 1974, when he joined the intramurals department as recreation supervisor. He began sharing his time between the intramurals program and the parks, recreation and tourism management department in 1975, when he became director of aquatics in intramurals and

(Continued on page 2.)



**Pope**

(Continued from page 1.)

a lecturer in PRTM.

He became assistant intramurals director in 1977. He was promoted to assistant professor of PRTM in 1980 and to associate professor in 1983.

Pope received his doctorate in education from the University of South Carolina in 1980. He earned his master's degree in recreation and parks administration here and his bachelor's degree in recreation administration from Georgia Southern College. He also attended Montgomery Junior College in Rockville, Md.

A widely published author in the field of recreation and an expert in the operation and management of swimming pools, Pope developed and now directs the state of South Carolina's Certified Training Program for Swimming Pool/SPA Operators.

"Jim brings great experience to the position of intramurals director," says Nick Lomax, assistant vice president for student affairs. "He has both administrative experience and academic experience as a teacher and researcher. We're delighted he has agreed to direct the intramurals department."

In his new post, Pope is responsible for developing, directing and managing all aspects of the recreational and intramural sports programs and facilities, which include the half-million-dollar Fike Recreation Center complex, provided for students, faculty and staff.

## Hagen comes home to head photo lab

Bruce Hagen assumed his duties June 21 as photographic services supervisor in the electronics and photographic services division of University Relations. He succeeds the late Charles Haralson.

For Hagen, a 1972 graduate of Abbeville High School and a 1974 graduate of Spartanburg Junior College, this is a homecoming.

Not only is his father a Clemson

alumnus, but his sister, Lynda Valerie Hagen, is a junior math major here, and his wife, Diane Shell Hagen, is a 1975 graduate in psychology.

After graduating from Spartanburg, Hagen worked for nearly three years before returning to school at Louisiana Tech University in Ruston, La., earning his bachelor's in graphic design and photography in 1981.

From 1979-83, Hagen was president of his own company, International Indicators, manufacturing a number of his own inventions, including a pictograph sign system, for people who are unable to speak a particular language, and an adjustable bar graph system.

In addition to his own pursuits as an inventor, Hagen has also worked for Liberty Life Insurance Co., Triangle Gas Company in Laurens and Modern Age Heating and Cooling Company in Abbeville.

Concerning his new position, Hagen says, "One of the things I hope to be able to do is help people in the photo

lab feel themselves to be part of a team. Teamwork is something Hagen knows about, having been a member of the 1972 state championship football team and an all-conference and all-state track award winner.

Too, he hopes to help develop additional photographic techniques and procedures which will enhance the services that the photo lab can offer the University.

"Naturally," he says, "we would always like to be able to get more equipment as well."

Himself the winner of several awards for graphics and photography while at Louisiana Tech University, Hagen hopes to encourage his staff to submit their work to publications, journals and photo contests.

In addition to his job here, Hagen at home is compiling a photographic comparative documentary history of three Abbevilles: the one in South Carolina, and the other two in France and Louisiana.

## Apprenticeships introduce high schoolers to agriculture

This is no ordinary summer for five local high school students selected to spend 10 weeks here as assistants to faculty members in the College of Agricultural Sciences.

The students are part of a nationwide program sponsored by the U.S. Department of Agriculture to increase young people's interest in agricultural careers.

Under the program, USDA's Cooperative State Research Service funds summertime apprenticeships for high school juniors and seniors who plan to major in a science when they get to college and who are in the top third of their high school classes.

Five faculty members in three departments here have apprentices this summer.

"We want to give the students an idea of what research and agriculture are like, and, hopefully, they will decide to study the agricultural sciences,"

says Asst. Prof. Greg Clary of the agricultural economics and rural sociology department.

"The exposure to research in science and to campus life that this program gives," he says, "should aid the students in future decisions concerning colleges and careers."

Clary and agricultural economics Prof. Ed McLean have Tony White of Pendleton High School and Tim Marcengill of West Oak High as apprentices for the summer.

In the food science department, Julie Robinson of Daniel High School is working with Asst. Prof. Ronnie Thomas and Gina Lee Woodham of Easley High is assigned to Asst. Prof. Susan Barefoot.

In agricultural engineering, John Maurice Jr. of Daniel High is assisting Prof. Jerry Lambert.



The Clemson University Newsletter is published for Bruce Hagen, the new photographic services supervisor in the electronics and photographic services division of University Relations, and for all the members of the University faculty and staff by the Division of University Relations.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barre  
Production Assistant \_\_\_\_\_ Carla Reeve

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# Events

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## July 20-26

### CONFERENCES AND SHORT COURSES

- 24-26 Conference: "Software Design With ADA." Sponsored by Continuing Engineering Education, 302 Rhodes Hall. Call 656-3308 for more information.
- 25-26 Peach Breeders Conference. Sponsored by horticulture department. Call 656-3403 for more information.
- 25-26 The S.C. Flower Growers' Short Course. Sponsored by the S.C. Cooperative Extension Service in cooperation with the S.C. Greenhouse Growers' Association. Registration is 10 a.m., Clemson Ramada Inn. Call 656-3403 for more information.

### OTHER EVENTS

- 23 Film: "Monty Python and the Holy Grail." Sponsored by College of Liberal Arts, 7:30 p.m., Y Theater. Call 656-3263 for more information.
- 25 Last day to withdraw from class or the University without final grades.
- Continuous "Pre-natal Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.
- Continuous "Shag Dancing." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.
- Continuous "Women's Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.

## July

### 1-31

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JUL 24 1985



# Newsletter

July 24, 1985  
Vol 24, No 43

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Ag technician directs play in London

Horacena Taylor earns her living counting nematodes in the nematode assay section of the agricultural services laboratory on Cherry Road.

But not too long ago she was counting stage props, making sure scenes were properly changed between acts and otherwise doing the work of a stage manager with a professional theater group.

After graduating with a bachelor's degree in biology and chemistry from Hampton Institute in Hampton, Va., Taylor did pharmaceutical research for three years with ENDO Labs in Garden City, Long Island, and for two more years with Food and Drug Research Labs in Queens, N.Y.

Then, through friends, and because she was ready to do something else, she rediscovered theater, the "extra-curricular" activity that had become more central to her academic life than her grades could bear while she was at Howard University in Washington, D.C.

In 1971 she realized she could actually make a living in theater, and for the next 11 years her avocation became her vocation as she worked for The Negro Ensemble Company (NEC) in New York City as a stage manager. There she stayed until 1982 when she moved to Anderson.

From 1979-82, in addition to her stage managing, she also directed six plays for the NEC, including "Home," the play she was once again asked to direct this May for a short run in London.

Taylor had previously directed the 1982 production of "Home" that toured the United States and was presented at the Dublin Theater Festival. Other productions Taylor has managed for the NEC have taken her to Europe, Australia and the Caribbean.

"When I was doing theater in college," she says, "I never thought about making it my life. And I certainly had no desire to be an actress."

But in 1971 both the time and the group were right for her. The Negro Ensemble Company, formed as a black



Taylor

theater company in the late 1960s with funding from the National Endowment for the Arts, was designed to use already existing black talent, develop new black talent and enlarge the black theater audience.

During its nearly 18 years, the NEC productions have garnered a Pulitzer Prize, two Tony Awards, Obie Awards and numerous other prizes.

"Home," which Taylor describes as a three-character tone poem written by Burgaw, N.C., native Art Williams, won the Audelco Award for best play in 1981.

Returning to her old director's post during a May vacation this year, Taylor was able to get in two weeks of rehearsal before taking the play to London for the first week of its three-week run at the Shaw Theatre. The Shaw is one of the English "Fringe" or alternative theaters where the play was part of The American Festival productions.

Taylor hasn't been doing any theater since her return to South Carolina, though. "I miss it in some ways," she says, but concedes that doing the kind of theater she was doing is very difficult while working full time at another job. Working with the NEC was less a career choice than a good thing to do at the time, she says.

Raised in Columbia, Taylor decided to return to her native South Carolina partly because of the pressures of professional theater in New York City. "New York," she says, "is no place to grow old in."

Too, she was simply ready for another

sea change in her life. So, she returned to Anderson County in the summer of 1982 and joined the ag services staff here in the spring of '84.

As for the possibility of ever going back to theater, Taylor thinks not -- in spite of this most recent experience. "I've got other things in front of me now," she says. "My years with the NEC were an important part of my life, but that's behind me."

Taylor seems to have settled with some grace into her new job where she is able to provide another kind of service for people.

Echoing the dictum by Satchel Paige, the great black baseball pitcher, not to look back, Taylor says, "You have to think about what you're doing today, otherwise nothing really good can happen tomorrow."

## New Employees

The University welcomes the following employees who joined Clemson during the months of May and June.

### Agronomy and Soils

Harris, James R., Agricultural Science Assistant II.

### Coastal Experiment Station

Nesbitt, Nathan, Agricultural Science Assistant II.

### Computer Center

Head, Loretta B., Computer Operator I.

### County Agent Work

Burgess, Jullia R., Personnel Assistant.

Head, Robert H., Assistant Extension Agent.

### Dairy Science

Land, James A., Agricultural Aide II.  
Power, Sandra L., Agricultural Aide III.

### Division of Information Systems Development

Blanchard, Paul K., Programmer Analyst I.

### Economics

Benjamin, Daniel K., Professor.

(Continued on page 2.)

(Continued from page 1.)

#### Engineering

Holstead, Robert D., Professor.

#### Entomology

Gray, Elmer W., Clinical Lab Technician II.

Johnson, Jena A., Agricultural Science Assistant II.

#### Farms

Nichols, Linda H., Administrative Specialist B.

#### Food Science

Kort, Munir J., Research Specialist I.

#### Home Economics--County

Ardern, Pamela B., Assistant County Extension Agent.

#### Housing

Shaughnessy, Stephen E., Dorm Supervisor.

#### Internal Auditing

Patterson, Roger D., Audits Supervisor.

#### Liberal Arts (Office of the Dean)

Zauner, Karen E., Administrative Specialist A.

#### Library

Coker, Edna S., Technical Assistant II.

#### Livestock and Poultry Health

Sowell, Patsy E., Administrative Assistant III.

#### Parks, Recreation and Tourism

Martin, Beverly J., Clerical Specialist C.

#### Physics

Brown, Phyllis F., Administrative Specialist A.

#### Poultry Science

Grantham, Meg C., Agricultural Science Assistant II.

#### Professional Development

Bowen, Douglas A., Project Administrator.

Harper, Martha M., Key Peripheral Operator.

#### Security and Traffic Office

Ertzberger, Debra L., Administrative Specialist A.

#### Textiles

Justice, Stanley L., Lab Equipment Specialist II.

#### University Printing Services

Frost, Mary K., Photo Copy Specialist.

#### Utilities

Long, Morris F., Trades Helper.

## Bankers Association funds scholarship in ag economics

The S.C. Bankers Association has funded a scholarship to aid students of agricultural economics.

The \$500 scholarship will be awarded annually to a rising junior studying agricultural economics with an emphasis on agricultural finance. The student must show competence in and dedication to agricultural economics, says Bob Robinson, head of the agri-

cultural economics and rural sociology department.

The scholarship, the first the association has funded here, was established in appreciation for agricultural related work and special projects the agricultural economics department has done for the association, says Robert Hodges, executive vice president of the S.C. Bankers Association.

Each year's scholarship recipient will be selected on the basis of academic record, scholastic potential, leadership, financial need, and a career interest in agricultural finance.

## Problem solving may help families who get stuck

Life is like gathering roses. You can't avoid all the thorns.

Emily Wiggins, Extension Service family life specialist, says families, especially, are prone to thorny problems.

"Sooner or later every family gets stuck," says Wiggins. "Some families, however, can cope with the thorns better than others. They expect to face problems in life, and they know how to handle things like personal conflict, a death or a job loss."

Why do some families fare better than others in their abilities to cope?

"Probably because they have a positive attitude about solving problems," she says. "Each problem faced and conquered makes the family stronger."

The problem-solving process is one of the most important skills a child can learn, says Wiggins, adding that the family environment is one of the best places to learn the process.

"Problem solving can be broken down into six steps, steps which many of us learned in seventh grade science class," she says.

Those steps are: recognize that there is a problem; identify the problem; brainstorm solutions; explore the most promising solutions; choose one solution and try it; evaluate and if at first

you don't succeed, try again.

"The smartest people in the world today use this process to solve problems," says Wiggins. "No method is any better, but there are ways to make the process smoother."

She suggests that when your family is brainstorming solutions you write down every idea.

"Even a 4-year-old may come up with an innovative thought or at least one that may generate a really great idea from someone else," she says. "Don't criticize anyone's solutions, either. The best way to keep youngsters from making any other contribution is to make a negative statement about their comments."

"Families seem to feel better about themselves when they can solve their own problems without outside help, but at times that may be impossible. It may help to talk to a friend, relative or neighbor -- perhaps even some kind of agency," says Wiggins. "Admitting that you need help and getting that help is the wise thing to do."

Your local Extension Service office has several leaflets which can help you solve your own problems. Those leaflets include "Stress .. How to Handle It," "Strengthening Your Family," and "Where Can I Go for Help."



The Clemson University Newsletter is published for Patti Steadman, a secretary with the University Union, and for all the members of the University faculty and staff by the Division of University Relations.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves Rathbone

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications master calendar for possible scheduling conflicts.*

## July 27-August 2

### CONFERENCES AND WORKSHOPS

#### July

- 29-30 Workshop: "Vision and Hearing Assessments/Exam in School-age Children." Sponsored by Nursing Continuing Education, 8 a.m.-4:30 p.m., College of Nursing Building, Room 201. Call 656-3078 for more information.
- 30-31 Conference: "Foam Technology." Sponsored by Professional Development. Registration at 8 a.m., Clemson Ramada Inn. Call 656-2200 for more information.

#### August

- 1-2 Workshop: "Comprehensive Care of the Expectant Family." Sponsored by Nursing Continuing Education. 8 a.m.-4:30 p.m., Room 201 Nursing building. Call 656-3078 for more information.

### OTHER EVENTS

#### July

- 27 Flower Day. Sponsored by department of horticulture, the Garden Club of S.C., and the S.C. Greenhouse Growers Association, 9 a.m.-4 p.m., horticulture gardens on campus. Free. Call 656-3403 for more information.
- 30 Film: "The Court Jester." Sponsored by College of Liberal Arts. 7:30 p.m., Y Theater. Call 656-3263 for more information.
- 31-Aug. 3 Play: "Lovers." Sponsored by the College of Liberal Arts, 8 p.m., Daniel Annex. \$2 for public; \$1 for faculty, staff, and children; free to Clemson students. Call 656-3263 for more information.
- Continuous "Pre-natal Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.
- Continuous "Shag Dancing." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.
- Continuous "Women's Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.

## July

### 1-31

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## August

### 1-31

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# Events

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# Newsletter

July 31, 1985  
Vol 24, No 44

JUL 31 1985

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Batson makes appointments

Board of Trustees Chairman Louis Batson has appointed Trustees James Self, Paul McAlister and James Bostic, Faculty Senate President Larry Bauer, and Student Body President Matt Locke to the committee charged with choosing the final candidates for University president.

Self will chair the selection committee on which Batson will sit as an ex-officio member.

McAlister will serve as vice chairman.

The six members will be responsible for paring down the list of candidates to no less than four by Sept. 1.

Batson has also announced Trustee appointments to the Board's five standing committees. They are:

- Budget and Finance Committee: Thomas McTeer, chairman; W.G. DesChamps, vice chairman; James Waddell, William Geiger and Robert Coker.

- Educational Policy Committee: Billy Amick, chairman; Fletcher Derrick, vice chairman; and Geiger.

- Committee for Institutional Advancement: McAlister, chairman; Coker, vice chairman; Buck Mickel, Self and Derrick.

- Student Affairs Committee: Self, chairman; Bostic, vice chairman; and DesChamps.

- Planning Committee: John Britton, chairman; Mickel, vice chairman; Bostic, McAlister and Waddell.

The Board's executive committee is composed of the chairman of the five standing committees and is chaired by Batson.

## Health Appeal brings \$10,985

University employee contributions to the Good Health Appeal this year totaled nearly \$11,000.

Director of visitor programs John Allen, who served as this year's campaign chairman, says the money will aid 16 health agencies in the state.

The agencies will use the contributions for research on causes and cures of health problems, for educational programs to alert persons to warning signs of diseases, and for providing services to persons who have the diseases.

Here is the breakdown of this year's contributions:

- Continuing payroll pledges, \$7,124.
- New payroll pledges, \$1,976.
- Checks received, \$1,880.
- Cash received, \$5.
- Total, \$10,985.

## DEPARTMENTAL NOTES

Announcements of professional accomplishments of faculty and staff members appear in the last Newsletter of each month.

### ACCOUNTANCY

E.L. Bryan (Asst Prof) and R.W. Rouse (Assoc Prof) published "Personal Financial Statements" in *National Public Accountant*, (March 1985).

### AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

J.C. Hite (Alumni Prof) presented a paper, "Soil Erosion, Emerging Technologies, and the 1985 Farm Bill," at the Conference on Resources, Environment, and the 1985 Farm Bill sponsored by the National Academy of Sciences, Washington, D.C., April 30.

Prof. Hite delivered the Presidential Address, "The Southern Contribution to Regional Science," at the Southern Regional Science Association meetings in Washington, D.C., May 10-11.

K.H. Kahl (Assoc Prof) published an article, "Effects of the Economic Recovery Tax Act of 1981 on Futures Market Volume," in *The Journal of Futures Markets*, 5(2):239-246, (Summer 1985).

### BUSINESS SERVICES

L.J. Sanders (Risk Manager) was elected president of the Western Carolina Chapter of the Risk and Insurance

## How's your empathy?

Here's one way to discover whether your business letters have empathy:

Count all of the second-person references (you, your, yours) and subtract from that number the number of first-person references (I, we, me, ours, us). The result is your empathy index.

The higher its positive value, the more likely your letter reflects the you-attitude. A negative index indicates a need for revision.

When rewriting, adopt the second-person references to your reader's level of intellect, language, personal style and formality. (Source: Communication Briefings)

Management Society (RIMS).

Sanders attended the National Convention of the National Association of Insurance Women (International) in Washington, D.C., June 16-20.

### CHEMISTRY AND GEOLOGY

K. Dill (Assoc Prof) presented a lecture, "<sup>13</sup>C-Labeling Studies of Glycophorin A," at the Letterman Army Institute of Research in San Francisco, Calif., June 7.

G.M. Haselton (Prof) presented a paper, "The Glacial Geology of the Upper Baker River Valley, New Hampshire," at the 20th annual meeting of the Northeastern Section of the Geological Society of America in Lancaster, Pa., March 13-16.

"The Geology of Troms County North Norway," at the University of North Carolina, April 18.

J.D. Petersen (Assoc Prof & Assoc Dean of Sci) presented a paper, "Visible Light Photoproduction of Hydrogen" at the Ninth Department of Energy Solar Photochemistry Conference in New Paltz, N.Y., June 2-6.

Prof. Petersen served as a discussion leader at the Biennial Inorganic Chemical Symposium: The Chemistry of Excited States and Reactive Intermediates where he presented, along with W.R. Murphy Jr. (Postdoc Fellow) and K.J. Brewer (Grad Stu), a paper, "Electrochemistry and Photophysics of Mono-

(Continued on page 2.)

(Continued from page 1.)

and Polymetallic Complexes of Fe(II) and Ru(II)," at York University, Toronto, Canada, June 6-9.

### ELECTRICAL AND COMPUTER ENGINEERING

A.W. Bennett (Hd & Prof) was elected vice chairman for the Southeastern Association of Electrical Engineering Department Heads' spring meeting in Atlanta, Ga.

J.W. Lathrop (Prof) presented a paper, "VLSI Reliability Research at Clemson," co-authored by M.A. Bridgwood (Asst Prof), D.J. Dumin (Prof), and J.W. Harrison (Prof), and chaired a session on IC design and modeling while attending the 6th Biennial University/Government/Industry Microelectronics Symposium at Auburn, Ala., June 10-13.

### ENGLISH

R.W. Moran (Prof) published two poems, "The Mall Culture" and "An Act of God," in *Northeast*, 4, No. 1 (1985), 6-7.

### HISTORY

J.L. Arbena (Prof) read, "Funding Big-Time Intercollegiate Athletics: Fifty Years of the Clemson IPTAY Club," at the 13th annual convention of the North American Society for Sport History in La Crosse, Wis., May 24-27.

R.M. Golden (Prof) reviewed I.A. Cameron, *Crime and Repression in the Auvergne and the Guyenne*, in *The Eighteenth Century: A Current Bibliography*.

### HONORS PROGRAM

J.L. Stevenson (Dir) presented "Be All You Can Be!" as the invited speaker at the commencement ceremony for Highlands High School in Highlands, N.C., June 9.

### INDUSTRIAL ENGINEERING

R.P. Davis (Hd & Prof), former national director of professional registration for the Institute of Industrial Engineers and current associate editor of *IIE Transactions*, was named the 1985 Outstanding Industrial Engineer by the Greenville-Spartanburg Chapter of the IIE.

### LIBRARY

M. Harris (Asst Librarian) published, "Nuclear Power Information From Federal Documents: Selected DOE and NRC Publications for General Library Collections," in the *Southeastern Librarian* (Winter 1984), 104-107.

### MANAGEMENT

C.W. McNichols (Prof) and S.A.

Schultz (Instr) presented "Microcomputers for Industrial Hygiene Management Support: The Dark Side of the Force" and, along with C.J. Kotrla (Tenneco, Inc), "User-Friendly Interfaces for Microcomputer-based Industrial Hygiene Management Support Systems" at the national meeting of the American Industrial Hygiene Association in Las Vegas, Nev., May 21-23.

### NURSING

D.R. Moore (Med Res Coord) has been elected Region 3 representative to the board of directors for the Association for Educational Communications and Technology of South Carolina. Region 3 consists of Aiken, Edgefield, Saluda, Newberry, Greenwood, McCormick, Abbeville, Anderson, Oconee and Pickens counties.

### PHYSICS AND ASTRONOMY

P.B. Burt (Prof & Hd) published the lead article, "Nonperturbative Solutions of the Lane-Emden Equation," in *Physics Letters A*, (May 20, 1985).

M.F. Larsen (Asst Prof) was awarded a three-year grant totalling \$147,000 by the Air Force Office of Scientific Research for studies of cold and warm fronts with high-resolution radar wind profiling systems.

Prof. Larsen and J. Rottger (Max-Planck-Institut, W. Germany) published an article, "Potential Advantages of the Spaced Antenna Method for Operational Wind Profiling," in the World Meteorological Organization's *Short-and Medium-Range Weather Prediction Research Publication Series*, No. 5, 97-102.

Prof. Larsen, Rottger, F.S. Kuo and J.K. Chao (National Central Univ, Taiwan), and C.H. Liu (Univ of Illinois) published a paper, "On Aliasing Problems in Vertical Velocity Measurement by VHF Radar," in *Proceedings of the National Science Council (Republic of China). Part A: Physical Science and Engineering*, Vol. 8, 183-190.

Prof. Larsen presented the following papers at the Second Conference on Mesoscale Processes, Pennsylvania State University, June 3-7:

--"Observations of Mesoscale Turbu-

lence in the Tropical Atmosphere" with R.F. Woodman (Instituto Geofisico del Peru), T. Sato (Kyoto Univ, Japan) and M.K. Davis (Cornell Univ) as co-authors.

--"Observations of Inertial Waves in the Tropical Lower Stratosphere Using the Arecibo 430 MHz Radar" with C.R. Cornish (Cornell Univ) as co-author.

Prof. Larsen chaired the session on Atmospheric Sciences at the spring meeting of the American Geophysical Union, Baltimore, Md., May 27-31 where he presented the following papers:

--"Observations of Frontal Zone Structures With a VHF Doppler Radar" with Rottger as co-author.

--"The Normal Modes of the Thermosphere" with I.S. Mikkelsen (Danish Meteorological Institute) as co-author.

A.L. Laskar (Prof) presented a seminar talk, "Recent Results in the Study of Ionic Solids," at IBM, Yorktown Heights, N.Y., May 13.

J.R. Ray (Prof) and A. Rahman (Argonne National Lab) published the paper "Statistical Ensembles and Molecular Dynamics Studies of Anisotropic Solids-II" in the *Journal of Chemical Physics*, Vol. 82, 4243-4247, (May 1985.)

### PLANT PATHOLOGY AND PHYSIOLOGY

O.W. Barnett (Prof), J. Hammond (USDA), A.A. Brunt (United Kingdom), A.F.L.M. Derks (The Netherlands), N. Inouye (Japan), T.C. Allen (Oregon State Univ), and R.H. Lawson (USDA) published a paper, "Viruses Infecting Bulbous Iris: A Clarification of Nomenclature," in *Acta Horticulturae* 164:395-397 (1985).

T.D. Stepp (Grad Res Asst), N.D. Camper (Prof), and M.J.B. Paynter (Prof) published a paper, "Anaerobic Microbial Degradation of Selected 3,4-Dihalogenated Aromatic Compounds," in *Pesticide Biochemistry and Physiology* 23, 256-260 (1985).

### SOCIOLOGY

R.J. Knapp (Prof) conducted an all-day in-service symposium on "Helping Bereaved Parents" for the nursing staff and others of the Greenville Hospital System, in Greenville, June 5.



The Clemson University Newsletter is published for Ron Thurston, a professor of poultry science, and for all the members of the University faculty and staff by the Division of University Relations.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves Rathbone

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

JUL 31 1985



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications master calendar for possible scheduling conflicts.*

## August 2-9

### CONFERENCES AND WORKSHOPS

- 5-9 Conference: "Bio Engineers in Surgery III." Sponsored by Continuing Engineering Education, Rhodes Hall. Call 656-3308 for more information.
- 9 Workshop: "Export Marketing Series." Sponsored by Clemson University/Upstate Development Committee and Appalachian Council of Government. 11 a.m.-2 p.m., location TBA. Free. Call 656-3223 for more information.
- 8-9 Workshop: "Comprehensive Care of the Expectant Family." Sponsored by Nursing Continuing Education, 8:30 a.m.-4:30 p.m., Room 201, College of Nursing Building. Call 656-3078 for more information.

### OTHER EVENTS

- 5 Film: "The Four Musketeers." Sponsored by College of Liberal Arts, 7:30 p.m., Y Theater. Call 656-3263 for more information.
- 7 Examinations.
- Continuous "Pre-natal Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.
- Continuous "Shag Dancing." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.
- Continuous "Women's Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.

## August 1-31

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# THE EVENTS

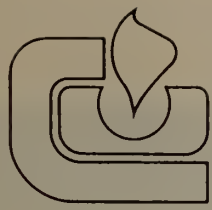
The first event was held on the 1st of the month. It was a very successful one and we were very pleased with the results. The second event was held on the 8th of the month. It was also very successful and we were very pleased with the results. The third event was held on the 15th of the month. It was also very successful and we were very pleased with the results.

The fourth event was held on the 22nd of the month. It was also very successful and we were very pleased with the results. The fifth event was held on the 29th of the month. It was also very successful and we were very pleased with the results. The sixth event was held on the 5th of the next month. It was also very successful and we were very pleased with the results.

The seventh event was held on the 12th of the next month. It was also very successful and we were very pleased with the results. The eighth event was held on the 19th of the next month. It was also very successful and we were very pleased with the results. The ninth event was held on the 26th of the next month. It was also very successful and we were very pleased with the results.

The tenth event was held on the 3rd of the next month. It was also very successful and we were very pleased with the results. The eleventh event was held on the 10th of the next month. It was also very successful and we were very pleased with the results. The twelfth event was held on the 17th of the next month. It was also very successful and we were very pleased with the results.

The thirteenth event was held on the 24th of the next month. It was also very successful and we were very pleased with the results. The fourteenth event was held on the 31st of the next month. It was also very successful and we were very pleased with the results.



# Newsletter

AUG 7 1985

August 7, 1985  
Vol 24, No 45

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Wellness Program planned to start here in September

You've had a hectic morning, you're weary to the point of exhaustion and you're ready to call "time out."

In the past you may have merely flopped in your chair, too tired to move, trying to recoup by resting. But soon, maybe as early as next month, you may have a more healthful alternative to sitting it out, waiting for your energies to resurface.

A 15-minute walk, a short run, a workout in an aerobics class, or a brisk swim in the pool over in Fike may now be the answer to renewing your physical and mental stamina. These activities, and more, may all be a part of the Wellness Program the University is planning to begin during the 1985-86 academic year.

September is the projected date for the start-up of the program, says Ron Herrin, director of payroll and employee benefits. By that time, he says, a wellness coordinator is expected to come on board to get the program underway.

Herrin, who heads the Wellness Program Planning Committee, says the committee this summer engaged the help of University of South Carolina graduate student Roberta Brown to help work on the program.

"Her work here in conjunction with the committee serves as her practicum for her master's degree," says Herrin. "She has been terrific. She's done a pile of work, especially on the survey. We couldn't have done everything we had to do without someone like her to help us out full time."

Brown, who is working on her master's in public health with a concentration in health education, says the committee is pleased with the results of the survey sent to employees in June. Out of 2,500 surveys sent, almost 1,000 employees returned the questionnaires.

The survey was designed to gauge the amount of interest employees here have in participating in the program and to determine the types of activities they would prefer. (The results of the survey are summarized on Pages 3-4).

"The information the respondents pro-

vided was very helpful to the planning committee," Brown says. "And there were a great number of people who offered to volunteer their time and expertise to help carry out the program."

Those volunteers, she says, range from the areas of psychology and recreation to nursing and Extension. As one familiar with other wellness programs in the state, she says that Clemson has both the facilities and the personnel to carry out a first-rate program.

"Clemson has everything it needs for the program," she says. You have the recreation center at Fike, plus the YMCA right here. Jogging and walking trails already exist. You have expertise in nursing, in nutrition and in fitness. You have stress management capabilities in the psychology department. All you have to do is tie it all together."

In tying it all together, one of the first tasks of the coordinator will be to arrange for the initial health screening of participants. The screening will include a comprehensive blood chemistry analysis, a visual acuity test, and height and weight checks. The committee has set an initial goal of about 1,700 to

undergo this screening at the Nursing Center.

"The purpose of the screening," says Brown, "is to provide some baseline data to show where people are now in terms of health status so their progress can be checked from time to time."

Along with the screening, a health risk assessment will be administered. This assessment, says Brown, is "designed to show how your lifestyle affects your chances of avoiding the most common causes of death."

A primary goal of any wellness program, Brown says, is to make you "aware of your 'bad' habits, how they affect you and what you can do to change or control them.

"How well you are and what you are doing to improve your health is one of your biggest responsibilities. Wellness is more than preventative medicine or a new fad. It is a way of life you design for yourself so that you may enjoy the highest level of health and well-being possible."

Brown says Clemson is fortunate in that the administration here realizes that most people need help to help themselves to good health.

"Existing health promotion efforts have shown administrative support to be a key factor in the success of any wellness program," she says. "Fortunately, Clemson already has this support to its advantage."



**Study abroad** -- These 12 rising seniors in the electrical and computer engineering department will be returning next week from England where they are studying during the second summer session at the University of Bristol. ECE Prof. J. Campbell Martin is heading up the study program of computer-aided analysis and the history of science, although Bristol faculty is teaching the actual courses. The students while there are living with families, rather than on campus.

## Visitors Center greets 12,967 in its first year

The Visitors Center observed its first-year anniversary this summer, and what a successful year it was, says center manager Janis Moore.

The center greeted 12,967 visitors, arranged 192 tours for school children, clubs, and civic organizations, gave 434 guided tours and had more than 1,229 showings of videotapes.

Plus, the center's personnel answered more than 8,000 questions on general information and 2,290 questions on campus directions.

"Our first year was very successful," says Moore. "We have helped to orient new faculty, staff, retirees and students not only to the University, but also to the town of Clemson and the upstate area. And, in addition, our services give visitors to the area a positive feeling about Clemson that they will take with them."

Moore credits much of the success of the center to its volunteers. Sixteen adult volunteers come in on a regular weekly basis to help out at the front desk.

And 24 student volunteer tour guides (identified by their orange blazers during the academic year and orange knit shirts during the summer) conduct guided campus tours on a regular weekly basis.

"The volunteers are a most valuable asset," says Moore. "We would not be able to accommodate the numbers we've been having if it weren't for their help."

Moore says she is happily surprised by the receptive attitude from the departments.

"People bend over backwards to accommodate our tours through their departments," she says. "And that has helped make our program a success."

Departments, too, are growing more aware of the center's assistance for their seminars and conferences, she says. Packets of promotional materials, walking and van tours are available for guests attending conferences here.

Other services at the center now include promotional literature explaining University programs; the Language Bank, offering interpreters to visitors upon request; a cassette tape designed especially for prospective students to use for self-conducted campus tours; and 656-INFO, a 24-hour telephone number which gives information on public events.



**Family doghouse** -- Myrle Swicegood, assistant director of Extension Service for home economics, explains the "family doghouse" to her granddaughter, Kendall Williams, age 5.

## Taking turns in the doghouse could aid family communication

Being in someone's doghouse is no fun, but sometimes it can provide a bone of substance to chew on.

Just ask Myrle Swicegood, assistant director of Extension Service for home economics. She often took her turn "in the doghouse" when she was rearing her children.

On the wall in her kitchen was a plaque with an empty doghouse and the figures of a Daddy Dog, a Mommy Dog and little Puppy Dogs. Whenever a member of her family was mad at someone, he or she took the appropriate figure and placed him or her in the doghouse.

"If I was in the doghouse I couldn't take myself out. It was up to me to ask who put me there and why," says Swicegood. "This encouraged family communication. It gave the children a way to talk back and kept resentment from building up."

The doghouse is an idea other fam-

ilies may want to consider, says Emily Wiggins, Extension Service family life specialist.

"Strong families should be able to talk to each other in an open and straightforward way. They should also be good listeners," she says.

"Even strong families fight, but they are able to deal with the issues rather than make personal attacks, become upset, or resort to yelling or violence. They try to identify the problem and find a solution."

Wiggins suggests you encourage talking in your family and discourage sulking, silences, yelling and accusations by reminding members when they use those methods of expression.

"Sometimes those around us are upset, angry, hurt or sad, and the best way we can help them is to listen as they talk about what is bothering them," she says.



The Clemson University Newsletter is published for Pat Holder, an accounting technician in financial management, and for all the members of the University faculty and staff by the Division of University Relations.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Rathbone

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

RESULTS OF SURVEY TO DETERMINE INTEREST AND ANTICIPATED PARTICIPATION  
IN A UNIVERSITY WELLNESS PROGRAM

(Here is a summary of the results of the survey which the University Planning Committee on Wellness conducted among employees during June.)

Total number surveyed--2,500  
Total number responding--796

BACKGROUND INFORMATION

Sex: Female--432; male--364

Age: 21-30, 154; 31-40, 269; 41-50, 202; 51-60, 111; 61 and over, 18

Race: White--733; Black--32; Hispanic--3; Asian or Pacific Islander--6;  
American Indian--3; Other--1

Occupation: Clerical staff--235; Maintenance or custodial staff--47;  
Administrative staff--218; 12-month faculty--133;  
9-month faculty--13

INTEREST IN THE WELLNESS PROGRAM

1. Would you be willing to attend an introduction to wellness meeting (one to two hours) and complete a health risk assessment survey (free)?

Yes--744; No--47

2. Would you attend the above described meeting:

During work hours? Yes--626; No--163

During break? Yes--404; No--383

During lunch hours? Yes--488; No--302

After work hours? Yes--412; No--374

3. Would you participate in the physiological screening program (such as blood pressure, blood analysis, visual acuity test, height and weight measures) and a comprehensive blood chemistry analysis:

If this part of the program was free? Yes--724; No--58

If this part of the program had a minimal cost? Yes--532; No--247

4. Will you participate in the Wellness Program if it is only offered during working hours? Yes--499; No--271

5. Rank the times listed below on willingness to participate in the Wellness Program. (Most desirable equals 1 Least desirable equals 4)

Before work hours 4--432; 3--138; 2--69; 1--47; 0--75

During lunch hour 4--89; 3--166; 2--220; 1--234; 0--54

After work hours 4--157; 3--190; 2--167; 1--194; 0--55

During work hours 4--93; 3--117; 2--172; 1--344; 0--38

Continued from page 3.

#### TYPE OF SESSIONS YOU PREFER

1. I would rather:

Go to a single presentation lasting 30-60 minutes--423  
Join a group that meets on a regular basis--333

2. If I took part in a group program, I would rather meet:

Once a week--443  
Twice a week--154  
Three times a week--105

For how many weeks? 6; 52; 4; 12; 8; 10 (in order of most to  
least desirable)

For 30 minutes--268  
For 45 minutes--290  
For 55 minutes--130

#### PROGRAMS OF YOUR CHOICE

Check all programs that would be of interest to you:

1. Physical fitness

Aerobic exercise--439  
Healthy back program--275  
Running and/or jogging--271  
Walking--493  
Swimming--345  
Water exercises--269

2. Diet and Nutrition

General nutrition knowledge--509  
Weight control and/or weight loss--484

3. Stress management

Learning to cope with personal stress--594

4. Other recommendations: Stretching, yoga, bicycling, weight training,  
martial arts



AUG 7 1985



# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications master calendar for possible scheduling conflicts.*

## August 9-16

### CONFERENCES AND WORKSHOPS

- 12-15 Workshop: "Beyond Vital Signs." Sponsored by Nursing Continuing Education, 8 a.m.-4 p.m., Room 304 College of Nursing Building. Call 656-3078 for more information.
- 12-16 Conference: "Bio Engineers in Surgery IV." Sponsored by Continuing Engineering Education, Rhodes Hall. Call 656-3308 for more information.
- 13 Conference: "Engineer as Manager." Sponsored by Professional Development, 8:30 a.m., Holiday Inn, Clemson. Call 656-2200 for more information.
- 13-14 Conference: "Applied Interactive Computer Graphics." Sponsored by Continuing Engineering Education, 101 Riggs Hall. Call 656-3308 for more information.
- 13-14 Textile Conference: "Carpet Yarn Twistsetting." Sponsored by Professional Development, 8:30 a.m., Ramada Inn, Clemson. Call 656-2200 for more information.

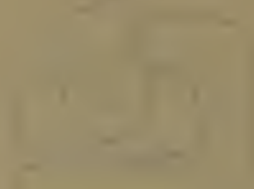
### OTHER EVENTS

- 10 Graduation: 11 a.m., Littlejohn Coliseum.
- 15 Performing Artist Series tickets go on sale at Union Box Office, Monday-Friday, noon-5 p.m. Series tickets, \$20. Call 656-2461 for more information.
- Continuous "Pre-natal Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.
- Continuous "Shag Dancing." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.
- Continuous "Women's Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.

## August

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

# EVENTS



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# Newsletter

AUG 16 1985

August 14, 1985  
Vol 24 No 46

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

## Staff Commission hopes to gain increased communication

Upon entering its second year of representing classified employees, the Commission on Classified Staff Affairs is reviewing its accomplishments of the past year.

At the same time, it is looking ahead with optimism of further increasing communication with the University's more than 3,500 classified employees.

The commission also enters the new year with new officers heading up the group.

Gary Pringle, superintendent of buildings, succeeds Jane Kidd as chairman. Kidd moved during the summer to Athens, where she has taken a position with the University of Georgia.

Alice Allen, publications editor in admissions and registration, moves in as vice chairwoman, taking over the position formerly held by Pringle.

Pringle, in reflecting on the first-year activities of the commission, says that

## Two EPMS seminars set for this month

Two seminars on the University's Employee Performance Management System, begun in July of 1983, are scheduled this month.

The first, "EPMS--Techniques for Conducting the Performance Appraisal," will be held Aug. 20 at Greenville Technical College.

The program, set for 9 a.m. to 1 p.m., requires a registration fee of \$15. It is sponsored by the Division of Human Resource Management (the State Personnel Division).

The second seminar on Aug. 26 will be divided into two sessions, with the same information presented at each.

Titled "Management/Supervisory Workshop on Progressive Discipline Policy and Employee Performance Management System," this seminar will be held here from 9:30 to 11:30 a.m. and again from 1:30 to 3:30 p.m.

For information on the location of the seminar here, call Debbie King at 56-3367. For information on registration, which is required for both seminars, call Janet Olbon at 656-3357.

an important accomplishment came when it was added to the agenda of the faculty-staff meetings held in September and May of each year.

"Staff attendance at those meetings has been gradually increasing each year since staff members have been invited to them," says Pringle, "so I think it's significant that we now have someone speaking for us there."

Another primary achievement of the commission, says Pringle, has been to initiate increased communication among classified employees. It has done this in three main ways:

--by inviting letters on issues or problems of concern, which the commission then studies and follows up;

--by making available a form especially for classified staff to use in submitting notices of professional accomplishments and activities to the Departmental Notes section of the Newsletter;

--and by sponsoring in the Newsletter an information column to which classified staff may submit questions for answers.

While the commission has received during its first year several letters and questions on topics ranging from a University daycare center to problems with parking, Pringle expects the number of such inquiries to increase with time.

"I hope as more people become aware of the commission's role that they'll make more use of us," he says. "I think it'll take awhile for people to realize that they can bring a problem or a concern to us, that we'll investigate it, advise them on it, and that we'll see it through.

"Sometimes, if you understand the reason for things being the way they are, if you can get answers rather than just sitting around complaining about things, then that can help morale."

The commission will "take on" almost any concern brought to it. But its charge, specifically, is to study classified staff issues such as welfare policies, compensation and benefits, and the development of job and supervisory

skills.

"In order to help with problems, though," says Pringle, "we need to know what they are. We're only as good as the staff will let us be."

As an advisory group to the president, the commission has gained a seat on both the President's Cabinet, which meets weekly, and the President's Council, which holds monthly meetings.

The commission itself meets on the second Tuesday of each month at 1:15 p.m. in Room 407 of the College of Nursing Building and invites classified staff to attend its sessions.

During the summer the commission learned of several classified staff concerns which it now is studying:

- The resolution passed by the Faculty Senate suggesting that the faculty/staff meeting held each May be retained as a meeting of faculty only and that a separate annual meeting for staff members be scheduled;

- The possibility of recognizing significant accomplishments of classified staff retirees and selecting an "employee-of-the-year" from classified staff;

- The lack of adequate parking for employees who work in Tillman Hall, the Trustee House and the University Union.

- The library's policy of fines for overdue books and materials.

Also this summer, several new members were named to fill vacancies created as certain members appointed for the first year either rotated off the commission or else left for other reasons.

The new members and the committees to which they have been assigned will be included in a forthcoming Newsletter.

If you have a concern or an issue you would like the commission to study, address your letter to: The Commission on Classified Staff Affairs, P.O. Box 2121, Clemson University, Clemson, S.C. Or you may send your letter through interoffice mail.

## Faculty and staff to meet

Members of faculty and staff will meet in general session at 10 a.m., Aug. 21 in Tillman Hall Auditorium.



**Family friend** -- Thanks to the Clemson Area International Fellowship, Kerry Robinson, a graduate student from Scotland, found friends in the family of Dwight Camper, a professor of plant pathology and botany.

## CAIF: Finding a few good friends

by Mark Ford

"I felt lost," said Kerry Robinson. "This was my first time in America, and I was homesick."

Robinson, a graduate student from Dunfermline, Scotland, was in a situation not unfamiliar to many foreign students entering the University for the first time.

"I came to Clemson on a track scholarship. One of the athletes helped me make it through registration, but then I was on my own. I had no roommate, and it was three days before I met any of the other girls on the team. It was a very confusing time for me."

But thanks to the Clemson Area International Fellowship (CAIF), she met Dwight Camper, a professor of plant pathology and botany, whose own family soon became her "adopted family."

"They were great," Robinson says. "They really helped me a lot. I even spent Christmas with them one year when I was unable to go home."

Yet Robinson's "home", of sorts, was CAIF, a program in which local residents help welcome foreign students to the University. The students do not live with the families but do share occasional social gatherings and other contacts with them.

Camper, who has been involved in the program for the past six years, says that CAIF "gives us a knowledge of the lifestyles and customs of other countries, while at the same time helping us understand how foreign students view Americans."

"Many of the visiting students have the wrong impressions about America, and we have the wrong impressions about them. We only see and hear what

the presses of both countries allow us to."

Camper has had contact with students from Japan, Taiwan, India and Scotland, and says he has never encountered any language problems that couldn't be solved.

"Most Americans don't realize that English -- real English, that is, not American English -- is studied as a second language in many foreign countries, so the students are already able to converse with us."

Camper says that CAIF is not a foster family/exchange program. "We are simply their 'American contacts,'" he says. "We keep in touch with them, have them over for meals, take them shopping --that sort of thing. We do not support them financially, only socially."

Both Robinson and Camper agree that the program has a positive influence and helps a great deal in the students' adjustment to life on a foreign campus,

If you would like to host a student,

call host family coordinator Dot Yandle at 654-5148 or 654-3406.

If you would be interested in loaning household items to help furnish apartments and dorm rooms, call Frances Moll, CAIF household loan coordinator, at 654-3406.

"If you can't travel abroad, says Camper, "it's an excellent opportunity to learn about the people and cultures of other countries while at the same time, giving them an opportunity to do the same about us."

## Learn fundraising tips at conference on volunteerism

A workshop on grassroots fundraising and tips on making the most of giving under federal tax laws are among the topics for this year's Conference on Volunteerism sponsored by the Thurmond Institute.

Called "Fundraising for Non-Profit Charitable Organizations," the conference convenes Aug. 19 at the Ramada Inn.

Registration gets under way at 8:30 a.m., followed by a welcome address from Horace Fleming, director of the institute, and the keynote address by Nancy Thurmond, wife of Sen. Strom Thurmond.

The morning session continues with a talk by New York tax lawyer and lecturer Conrad Teitel. Teitel, who has been featured on "The Wall Street Journal," "Money Magazine" and is the subject of an upcoming "New York Times" interview, will talk on "Tax-wise Giving: Making the Most of Opportunities Under the Federal Tax Laws."

Esther B. Ferguson, a New York City civic and business leader and a South Carolina native, will give the luncheon address on "Why Corporations Give."

The afternoon session includes a workshop on "Grassroots Fundraising" by Joan Flanagan, president of her own Chicago consulting firm for non-profit organizations and a nationally recognized authority on fundraising and volunteerism.



The Clemson University Newsletter is published for Tah Teh Yang, a professor of mechanical engineering, and for all the members of the University faculty and staff by the Division of University Relations.

Editor \_\_\_\_\_ Jack A. McKenzie  
Assistant Editor \_\_\_\_\_ Joyce D. Barrett  
Production Assistant \_\_\_\_\_ Carla Reeves Rathbone

The staff welcomes your comments and suggestions. Call us at 656-2467 or write us at 103 Fike Center.

The conference ends with a 4:15 p.m. talk by Holley Ulbrich, a professor of economics, and a senior fellow of the Institute.

The registration fee -- \$65 for the public, \$45 for faculty and staff -- includes lunch and all materials.

For registration information, call the Institute at 656-4700.



Austin

## Air Force ROTC unit has new commander

Col. William R. Austin has joined the University as a professor of aerospace studies and commander of the Air Force ROTC unit here.

He succeeds Col. Lewis E. Jordan as commander of AFROTC Detachment 770.

Col. Austin comes here from Shaw Air Force Base in Sumter, where he was base commander of the 363rd Combat Support Group. He is a senior pilot and has flown various aircraft, including the F-4, A-7 and F-105.

He received his bachelor's degree in mechanical engineering from Clemson in 1959 and his master's in management from Webster College in 1980.

Col. Jordan, who is also a 1959 Clemson graduate, retired this summer after a 26-year military career. In 1981 he took command of the local AFROTC program, which last year received the "Best in the Nation" award presented annually by ROTC Headquarters.

## Late luncheons

You may want to try scheduling your next luncheon meeting later in the afternoon instead of at 11:30 or noon. Service may be better later. Plus, you may find the agenda moving more quickly as participants feel the afternoon disappearing. (Source: Communication Briefings)

# DAPS: They're building a base for distributing the data

by Robert Sorrells

Because of the work done by the Division of Administrative Programming Services (DAPS), the sometimes arcane world of computers is having an increasing impact on the work-a-day lives of faculty and staff here.

One of the newest of the DAPS creations is a program for faculty advisers and their advisees.

In place for three months and growing, the Student Access System allows advisers to get academic information on student progress. Such readily available information makes it possible for advisers to offer accurate, up-to-date academic advice, says Philip Lyles, a systems development manager at DAPS.

The information includes the record of past courses taken, courses presently taken, courses planned for the next semester, overall grade point average, grades in individual courses and other information pertinent to the student's academic progress.

This is the kind of information advisers need to have but often can't get -- either because the student hasn't kept accurate track of what's been going on, the faculty member hasn't, or because that kind of information simply hasn't been available in a central place in a usable format.

Steps have been taken to safeguard the security of the information, says DAPS director George Alexander. For instance, a dean can access only those student files in his or her college.

Within a department, the department head and advisers can access the information for their majors. Selected class rolls and faculty class assignment information are also accessible.

Currently, a transfer equivalency base is being developed so the University can grant appropriate credits from other schools in a timely and consistent manner.

In addition, those University catalogs printed for the past several years might someday be on computer, giving advisers immediate access to past as well as current information, because students graduate under the catalog rules that are in effect the year they start.

## A truly INTELLECTual University

Another program that should have wide application is the development of INTELLECT, an English-speaking computer language that allows users to type out questions in standard English and get answers the same way.

Originally purchased for the business office, INTELLECT is used to answer

questions about employees such as salary averages and work locations. It will be used by the registrar and others in the Office for Student Affairs this fall.

INTELLECT pours out information: how many students from which counties in the state; how many males or females, in particular configurations; GPRs of specific groups -- facts that one way or another have become a part of record keeping and management in modern universities.

A storage bin of wide-spectrum facts, INTELLECT can be modified for specific use by virtually any department or unit on the campus.

## And other services

Established in 1974, DAPS is primarily responsible for servicing the divisions of Academic Affairs, Business and Finance, Student Affairs and Institutional Advancement. It provides computer software programs, some hardware, and lots of solid advice on how computers can help these divisions do their work more efficiently.

A functional rather than a research group, DAPS began by developing specific programs for the academic and business operations of the University -- in short, taking a great deal of the time and drudgery out of bookkeeping.

The Accounting Information System (AIS) was the first major project DAPS tackled. "Because of the cooperative efforts of the Business Office and DAPS staffs, AIS has proven to be a reliable and expandable system," says Larry McCall, systems development manager for business systems. It is now accessible from terminals in virtually all departments.

"A few years ago it seemed appropriate to extend business systems to include all departments," McCall says. Most departments can now retrieve financial and personnel information from their terminals. For more voluminous data, departments can request special reports be delivered to them.

"Overall," says George Alexander, "what we do is integrate information to help the University standardize record handling."

By addressing needs expressed by the vice presidents, DAPS helps create a large database, a pool of information involved in virtually every official aspect of managing the University.

"One problem we take very seriously and work on," says Alexander, "is con-

(Continued on page 4.)

(Continued from page 3.)

trolling the data while still making it available to those who need it." Obviously, he says, faculty advisers need to know certain things about their students if they are to give sound advice. But few other people need that same information.

DAPS performs jobs from relatively simple ones, like helping departments learn how to use the computer equipment and new systems available to them, to more complex ones, like helping the Library modify NOTIS [a library system purchased from Northwestern University] and installing it to support all operations of the Cooper Library.

A popular part of NOTIS is LUIS (Library User Information System), which provides campus-wide, -- even state-wide -- access to the card catalogs.

Another example of problem solving is the student registration system, which combines all pertinent registration information on one form.

On registering, students are given a one-page statement of their status including class schedule, billing and financial information, special actions to take and even a printed Student Activity Card. This system has removed a great deal of the grueling confusion, waiting and shortened tempers from student registration lines.

"One reason we have been able to do so much with computers here at Clemson," Alexander says, "is because the University's organizational structure already tended to be centralized." That made the formation of a large database both easier to acquire as well as useful for large numbers of divisions on campus.

Based on his familiarity with other schools as well as his observations while at professional meetings, Alexander concludes that Clemson probably is more highly computerized than most universities.

But he quickly explains that the mere presence of numerous PCs on table tops across the campus doesn't mean a highly computerized campus.

Rather, it has much more to do with the size of the database available and the extent to which that data can be used University-wide. The result has been that Clemson now is a good place for computer people to work and study.

Though DAPS was established to serve the University's four large administrative divisions, advancing technology does tend to broaden the reach of its responsibilities.

A system designed to keep track of leave records, other personnel data, inventory accounts, encumbrances and so on is necessary to central offices.

But individual departments are finding

it useful to access and update their own records through that same system developed by DAPS. That, says Alexander, is how the use of systems filters down and how DAPS finds additional customers.

"We do cultivate clients," he says. "We don't sit around waiting for the phone to ring."



Laffitte

## Laffitte joins Union as assistant director

by Rick Feltman

Colorado may be a nice place in which to live, but Ron Laffitte wanted to return to the Southeast.

When he heard, then, about a position open at Clemson University, he jumped on it. After all, he is a native South Carolinian and what better place to return to than your homestate.

Laffitte was appointed assistant director of the University Union this summer, leaving his previous position as assistant university center director at the University of Denver, in Denver, Colo.

Born in Rock Hill, Laffitte attended Winthrop College where he received his bachelor's degree in psychology. He obtained his master's in student personnel services from the University of South Carolina.

"I receive a lot of grief around here due to my master's from that other University," says Laffitte with a smile. "But in the short time I've been here, I already see that Clemson is a great University to be a part of and the Union has a great operation already established."

Laffitte says one of his major goals for the Union will be to keep students involved in campus programs.

"Involving students in University activities is vital," says Laffitte. "When they become involved, they develop ties with the University which can be important to the success of the students and Clemson."

Laffitte succeeds Bill Mandicott, who is now director of student life at the State University of New York in Cortland, N.Y.

## Deferred gift adds \$80,000 to endowment

The first deferred gift on development office records here has resulted in an \$80,000 boost in the Clemson University Foundation's endowment for academic support.

Even before 1972, when the deferred giving program officially began, 1942 alumnus Charles E. Hammond had named the Foundation as the beneficiary of two life insurance policies, says Robert Christenberry of the development staff.

When Hammond died this summer, the Foundation received \$80,000 from the policies.

The Foundation will receive an additional gift upon the death of Mrs. Hammond from a life insurance trust established by Mr. Hammond in 1970.

"Mr. Hammond obviously had a great regard for Clemson to have arranged this so long ago, in the days before we started promoting deferred giving," Christenberry says.

Hammond was a resident of Branson, Mo. He majored in electrical engineering as a student here and went on to become a top executive in the Westinghouse Corporation.

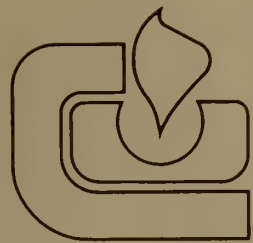
He received the Alumni Distinguished Service Award in 1970 and served during the early '70s as a Foundation director.

Christenberry says the Foundation has on record about \$5 million in deferred gifts. "Of course there could be gifts we don't know about," he says. "We aren't always notified, for example, when someone includes Clemson in their will. It is helpful to have in our files a copy of the will or at least that portion that pertains to the University bequest."

The deferred gifts total will likely increase as more people join the three major giving clubs started last year, says Christenberry, since deferred giving is one method of qualifying for club membership.

As of July 19, the Presidents Club had 127 charter memberships, the Clemson Fellows had nine, and the Founders Society had 27.

The charter membership period will continue through December.



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# Events

INFORMATION FOR THE FACULTY AND STAFF OF CLEMSON UNIVERSITY

*This calendar is prepared up to a month in advance. Please send in writing to the Department of Publications and Graphics Services, 103 Fike Center, any campus event that should be listed. You may also want to call 656-2467 to check the Internal Communications master calendar for possible scheduling conflicts.*

## August 16-23

### CONFERENCES AND WORKSHOPS

## August

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

- 13 Conference: "Engineer as Manager." Sponsored by Professional Development, Holiday Inn, Clemson. Call 656-2200 for more information.
- 13-14 Textile Conference: "Carpet Yarn Twistsetting." Sponsored by Professional Development, Ramada Inn, Clemson. Call 656-2200 for more information.
- 20-21 Textile Conference: "Polypropylene Technology." Sponsored by Professional Development, 8 a.m., Ramada Inn, Clemson. Call 656-2200 for more information.
- 20-21 Textile Conference: "Fabrics for the Home in the 80s." Sponsored by Professional Development, 8 a.m., SIRRIRIE Hall. Call 656-2200 for more information.

### OTHER EVENTS

- 12-28 Exhibition: "The Non-Residential Architecture of Frank Lloyd Wright." Sponsored by College of Architecture, 9-4:30 p.m., Lee Gallery, Lee Hall. Call 656-3081 for more information.
- 15 Performing Artist Series tickets go on sale at University Union Box Office, Monday-Friday, noon-5 p.m., \$20 for series. Call 656-2461 for more information.
- 18 University housing opens at 10 a.m.
- 19 Faculty/Staff Orientation. Call 656-3022 for more information.
- 20 Registration for fall semester.
- 21 General faculty/staff meeting, 10 a.m., Tillman Hall Auditorium.
- 21 Trip: Tubing down the Chatoga River. Sponsored by University Union, 9 a.m.-3 p.m. Call 656-2461 for more information.
- 22 Classes begin; late registration fee applies.
- 22-24 Film: "Risky Business." Sponsored by University Union, 7 & 9:15 p.m., Y Theater, \$1.50. Call 656-2461 for more information.
- Continuous "Pre-natal Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.
- Continuous "Shag Dancing." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.
- Continuous "Women's Fitness." Sponsored by YMCA, YMCA Center. Call 654-2361 for more information.

# Events

The first of the series of events was held on the 1st of the month. It was a most successful one, and was attended by a large number of the public. The proceeds of the event were used for the benefit of the poor.

The second event was held on the 8th of the month. It was also a most successful one, and was attended by a large number of the public. The proceeds of the event were used for the benefit of the poor.

The third event was held on the 15th of the month. It was also a most successful one, and was attended by a large number of the public. The proceeds of the event were used for the benefit of the poor.

The fourth event was held on the 22nd of the month. It was also a most successful one, and was attended by a large number of the public. The proceeds of the event were used for the benefit of the poor.

The fifth event was held on the 29th of the month. It was also a most successful one, and was attended by a large number of the public. The proceeds of the event were used for the benefit of the poor.

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